### Patent Information

**Title:** 1,3,4-thiadiazoles useful for the treatment of CMV infections

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(54) Title: 1,3,4-THIADIAZOLES USEFUL FOR THE TREATMENT OF CMV INFECTIONS

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(57) Abstract

The present invention presents novel 1,3,4-thiadiazole derivatives of formula (I) which have useful antiviral activity against herpes virus, cytomegalovirus (CMV).
1,3,4-THIADIAZOLES USEFUL FOR THE TREATMENT OF CMV INFECTIONS

BACKGROUND OF THE INVENTION

The present invention relates to novel 1,3,4-thiadiazole derivatives having useful antiviral activity against herpes virus, cytomegalovirus (CMV). The invention also relates to a pharmaceutical composition containing such compounds and methods for the treatment of such viral infections. Many of these compounds are also active against other herpes viruses, such as the varicella zoster virus, the Epstein-Barr virus, the herpes simplex virus, and the human herpes virus type 8 (HHV-8).

The discussion of the background to the invention herein is included to explain the context of the invention. This is not to be taken as an admission that any of the material referred to was published, known or part of the common general knowledge in Australia as at the priority date of any of the claims.

Throughout the description and claims of the specification the word "comprise" and variations of the word, such as "comprising" and "comprises", is not intended to exclude other additives, components, integers or steps.

SUMMARY OF THE INVENTION

The present invention provides a compound of formula I

\[
\begin{array}{c}
\text{N} \equiv \text{N} \\
\text{S} \equiv \text{CH,} \\
\text{NR..} \\
\text{Y} \equiv \text{H} \\
\text{N} - \text{X} \\
\text{R_x} \\
\end{array}
\]

or pharmaceutically acceptable salts thereof wherein:

Y is

a) \(-\text{NHR}_1,\) or

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b) \(-\text{N} \equiv \text{X} \equiv \) ;

X is \(-\text{O}, -\text{S}(=\text{O})_2, -\text{CH}_2, -\text{NR}_2\);
$R_3$ is

a) $C_{1-18}$ alkyl,
b) -(CH$_2$)$_i$-$C_{3,7}$ cycloalkyl,
c) -(CH$_2$)$_i$-bicycloalkyl,
d) -(CH$_2$)$_j$-$M$,
e) -(CH$_2$)$_j$-$W$,
f) -(CH$_2$)$_k$ aryl, wherein aryl may be substituted with one to three $R_3$,
g) -(CH$_2$)$_l$-het, wherein het may be substituted with one to three $R_3$,
h) -(CH$_2$)$_m$-$Q$, wherein $Q$ may be substituted with one to three $R_3$, or

$R_2$ is

a) H,
b) $C_{1-4}$ alkyl,
c) $C_{1-4}$ alkoxy,
d) benzyl,
e) -CN,
f) -SO$_2$F,
g) -SO$_2$NH$_2$,
h) -CF$_3$,
i) -NO$_2$,
j) -OCH$_2$O-,
k) -CO$_2$($C_{1-4}$ alkyl),
l) $C(=O)C_{1-4}$ alkyl,
m) $C(=O)NH_2$,

$R_1$ is

n) $-NCO_2$($C_{1-4}$ alkyl), or

o) $C(=O)$-$O$-$C(=O)$-

$M$ is

a) -CN,
b) halo,
c) -CO₂C₄₋₆ alkyl,
d) -CH(phenyl)₂,
e)  

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f)  

W is

a) -OR₄,
b) -SR₄,
c) -NHR₄, or
d) -NR₄R₉;

R₄ is

a) C₁₋₄ alkyl,
b) C₂₋₇ cycloalkyl, or
c) aryl,

R₅ is

a) C₁₋₄ alkyl,
b) C₂₋₇ cycloalkyl,
c) aryl, or
d) -C(=O)C₄₋₆ alkyl;

R₆ and R₇ are independently

a) C₁₋₄ alkyl, or
b) R₆ and R₇ together with nitrogen form a 4- to 6-membered saturated
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heterocyclic moiety having one to two atoms selected from the group

consisting of oxygen, nitrogen, and sulfur;

R₇ is

a) C₁₋₁₈ alkyl,
b) C₂₋₁₈ alkenyl,
c) C₂₋₁₈ alkynyl,
d) C₂₋₆ alkyl substituted with one to three halo, C₁₋₃ alkoxy, -OH, -SH,
or -CO₂H,
e) C₂₋₆ alkenyl substituted with aryl, wherein the aryl may be in turn

substituted with one to three R₂,
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f) -(CH₂₄) aryl, wherein aryl may be substituted with one to three R₃,
g) -(CH₂₄) Q, wherein het may be substituted with one to three R₅, or
h) \(-(CH_2)_r-U\), wherein \(Q\) may be substituted with one to three \(R_3\); 
arly is phenyl or naphthyl; 
het is 5- to 10-membered unsaturated heterocyclic moiety having one to three atoms 
selected from the group consisting of oxygen, nitrogen, and sulfur;

\(U\) is 5- to 9-membered unsaturated heterocyclic moiety having one to three atoms 
selected from the group consisting of oxygen, nitrogen, and sulfur; 
\(Q\) is 5- or 6-membered saturated heterocyclic moiety having one to two atoms 
selected from the group consisting of oxygen, nitrogen, and sulfur, wherein nitrogen 
atom may be in turn substituted with \(C_{14}\) alkyl, phenyl, benzyl, \(-C(=O)C_{14}\) alkyl, or 
\(-CO_2C_{14}\) alkyl;

\(h\) is 0, 1, or 2; \(i\) is 0, 1, 2, 3, or 4; \(j\) is 2, 3, or 4; \(k\) is 0, 1, 2, 3, 4, 5, or 6;

and with the following provisos:

a) where \(R_3\) is phenyl or 4-methoxyphenyl, \(R_1\) is other than phenyl, 
4-methoxyphenyl, or 4-chlorophenyl;

b) where \(R_3\) is \(-CH_2\)phenyl, \(R_1\) is other than phenyl or \(-CH_2\)phenyl;

c) where \(R_3\) is \(H\), substituted or unsubstituted alkyl or phenyl, \(R_1\) is other than 
unsubstituted alkyl or phenyl.

The compounds of the present invention have antiviral activity against 
cytomegalovirus (CMV), a member of herpes virus.

DETAILED DESCRIPTION OF THE INVENTION

For the purpose of the present invention, the carbon content of various 
hydrocarbon containing moieties is indicated by a prefix designating the minimum 
and maximum number of carbon atoms in the moiety, i.e., the prefix \(C_{ij}\) defines the 
number of carbon atoms present from the integer "\(i\)" to the integer "\(j\)", inclusive. 
Thus, \(C_{14}\) alkyl refers to alkyl of one to four carbon atoms, inclusive, or methyl, 
ethyl, propyl, butyl, and isomeric forms such as, for example, straight and branched 
form thereof.

The terms "\(C_{14}\) alkyl", and "\(C_{18}\) alkyl" refer to an alkyl group having one to 
four, or one to eighteen carbon atoms respectively such as, for example, methyl, 
ethyl, propyl, butyl, pentyl, hexyl, heptyl, octyl, nonyl, decyl, undecyl, dodecyl, 
tridecyl, tetradecyl and their isomeric forms thereof.

The terms "\(C_{2-18}\) alkenyl" refers to at least one double bond alkenyl group 
having two to eighteen carbon atoms, for example, ethenyl, propenyl, butenyl, 
pentenyl, hexenyl, heptenyl, heptdienyl, octenyl, octadienyl, octatrienyl, nonenyl, 
undeceny, dodeceny, etc., and their isomeric forms thereof.
The term "C₂₋₁₈ alkynyl" refers to at least one triple bond alkynyl group having two to twelve carbon atoms such as, for example, ethynyl, propynyl, butynyl, pentynyl, hexynyl, heptynyl, octynyl, octadiynyl, octatriynyl, nonynyl, nonediynyl, etc., and their isomeric forms thereof.

The term "C₃₋₇ cycloalkyl" refers to monocyclic hydrocarbons having three to seven carbon atoms such as, for example, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cycloheptyl, and their isomeric forms thereof, preferably an cycloalkyl group having three to six carbon atoms.

The term "bicycloalkyl" refers to saturated alicyclic hydrocarbon systems consisting of two rings only, having two or more atoms in common.

The terms "C₁₋₄ alkoxy" refers to an alkyl group having one to four carbon atoms attached to an oxygen atom of hydroxyl group such as; for example, methoxy, ethoxy, propyloxy, butyloxy, and their isomeric forms thereof.

The term "aryl" refers to monocarbocyclic or bicarbocyclic aromatic moiety such as; for example phenyl, naphthyl, biphenyl. Each of these moieties may be substituted as appropriate. Aryl is preferably phenyl or phenyl substituted with C₁₋₄ alkyl, C₁₋₄ alkoxy, halo, -CN, -SO₂NH₂, -SO₃F⁻, -NO₂, -C(=O)-O-C(=O)- or -OCH₂O⁻.

The term "het" refers to a 5- to 10-membered unsaturated heterocyclic moiety having one to three atoms selected from the group consisting of oxygen, nitrogen, and sulfur such as, for example, furyl, thietyl, pyrrylyl, pyrazolyl, imidazolyl, oxazolyl, isoxazolyl, thiazolyl, isothiazolyl, pyridyl, pyrimidinyl, pyridazinyl, pyrazinyl, indazolyl, benzothiazole, benzoisoxazole, benzothienyl, indolyl, isoindolyl, quinolyl, isoquinolyl, quinoxalinyl, phthalazinyl or cinnolinyl.

The term "U" refers to 5- to 9-membered unsaturated heterocyclic moiety having one to three atoms selected from the group consisting of oxygen, nitrogen, and sulfur such as, for example, furyl, thietyl, pyrrylyl, pyrazolyl, imidazolyl, oxazolyl, isoxazolyl, thiazolyl, isothiazolyl, pyridyl, pyrimidinyl, pyridazinyl, pyrazinyl, indazolyl, benzothiazole, benzoisoxazole, benzothienyl, indolyl, or isoindolyl.

The term "Q" refers to 5- or 6-membered saturated heterocyclic moiety having one to two atoms selected from the group consisting of oxygen, nitrogen, and sulfur, wherein nitrogen atom may be in turn substituted with C₁₋₄ alkyl, phenyl, benzyl, or -C(=O)C₁₋₄ alkyl. The example of Q is 2-, 3-, or 4-piperidinyl, 1-, or 2-pyrrolidinyl, morpholinyl, thiomorpholinyl, dioxolanyl, imidazolidinyl, oxathiolanyl, oxazolidinyl,
The term "halo" refers to fluoro, chloro, bromo, or iodo.

The term "pharmaceutically acceptable salts" refers to those salts which possess the biological effectiveness and properties of the parent compound and which are not biologically or otherwise undesirable.

Throughout this application, abbreviations which are well known to one of ordinary skill in the art may be used, such as "Ph" for phenyl, "Me" for methyl, etc.

Examples of preferred compounds of the present invention are:

1. N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-2-ethoxy-1-naphthamide,
2. N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
3. N-[5-[[3,3-diphenylpropyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
4. N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
5. 1,3-dioxo-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide,
6. N-[5-[[[(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
7. 1,3-dioxo-N-[5-[[4-phenylbutyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide,
8. N-[5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
9. (E)-N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-9-octadecenamide,
10. 2-ethoxy-N-[5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-1-naphthamide,
11. 2,6-dichloro-N-[5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,
12. N-[5-(cycloheptyl)amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide,
13. N-[5-[[[(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl]amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide,
14. (E)-N-[5-[[4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl)-9-octadecenamide,
15. N-[5-[[2,2-diphenylethyl]amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide,
16. (E)-N-(5-[(3-(cyclohexylamino)propyl)amino]-1,3,4-thiadiazol-2-yl)-3-phenyl-2-propenamide,
17. 2,6-dichloro-N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
18. 2,6-dichloro-N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
19. (E)-N-[5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
20. N-[5-[(4-aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl]-2,6-dichlorobenzamide,
21. 2,6-dichloro-N-[5-[(2-(1H-indol-3-yl)ethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
22. 4-cyano-N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
23. N-[5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
24. 4-cyano-N-[5-[(3-(cyclohexylamino)propyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
25. N-[5-[(2-(1H-indol-3-yl)ethyl)amino]-1,3,4-thiadiazol-2-yl]-5-nitro-2-furamide,
26. 2,6-dichloro-N-[5-[(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl)methyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,
27. 4-cyano-N-[5-[(2-(1H-indol-3-yl)ethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
28. N-[5-(cycloheptylamo)-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
29. N-[5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2,6-dichlorobenzamide,
30. N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]-2-methoxybenzamide,
31. (E)-N-[5-[(4-aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide,
32. (E)-N-[5-[(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl)methyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
33. (E)-N-[5-[(2-(1H-indol-3-yl)ethyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
34. (E)-N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
35. (E)-N-[5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
36. 2,6-dichloro-N-[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]benzamide, or
37. N-[5-[(4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide.

Examples of more preferred compounds of the present invention are:
1. N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-2-ethoxy-1-naphthamide,
2. N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
3. N-(5-[[3,3-diphenylpropyl]amino]-1,3,4-thiadiazol-2-yl)-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
4. N-[5-[[2,2-diphenylethyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
5. 1,3-dioxo-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide,
6. N-[5-([(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl]amino)-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
7. 1,3-dioxo-N-[5-[[4-phenylbutyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide,
8. N-[5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide, or
9. (E)-N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-9-octadecenamide.

The compounds of the present invention and pharmaceutically acceptable salts thereof are useful as antiviral agents. Thus, these compounds are useful to combat viral infections in animals, including man. Specifically, these compounds have anti-viral activity against the herpes virus, cytomegalovirus (CMV). Many of these compounds are also active against other herpes viruses, such as the varicella zoster virus, the Epstein-Barr virus, the herpes simplex virus, and the human herpes virus type 8 (HHV-8).

Also, while many of the compounds of the present invention have shown activity against the CMV polymerase, these compounds may be active against the cytomegalovirus by this or other mechanisms of action. Thus, the description below of these compounds' activity against the CMV polymerase is not meant to limit the present invention to a specific mechanism of action.

The compounds of the present invention are tested in an polymerase assay to show activity described below, which is indicative of a compound's activity and thus of its use as an anti-viral agent.

The HCMV polymerase assay is performed using a scintillation proximity assay (SPA) as described in several references, such as N.D. Cook, et al., Pharmaceutical Manufacturing International, pages 49-53 (1992); K. Takeuchi,
Laboratory Practice, September issue (1992); US Patent No. 4,568,649 (1986); which are incorporated by reference herein. Reactions are performed in 96-well plates. The assay is conducted in 100 μl volume with 5.4 mM HEPES (pH 7.5), 11.7 mM KCl, 4.5 mM MgCl₂, 0.36 mg/ml BSA, and 90 nM ³H-dTTP. Assays are run with and without CHAPS, (3-[(3-Cholamidopropyl)-dimethylammonio]-1-propane-sulfonate) at a final concentration of 2 mM. HCMV is diluted in enzyme dilution buffer containing 50% glycerol, 250 mM NaCl, 10 mM HEPES (pH 7.5), 100 μg/ml BSA, and 0.01% sodium azide. The HCMV polymerase, which is expressed in recombinant baculovirus-infected SF-9 cells and purified according to literature procedures, is added at 10% (or 10 μl) of the final reaction volume, i.e., 100 μl. Compounds are diluted in 50% DMSO and 10 μl are added to each well. Control wells contain an equivalent concentration of DMSO. Unless noted otherwise, reactions are initiated via the addition of 6 nM biotinylated poly(dA)-oligo(dT) template/primer to reaction mixtures containing the enzyme, substrate, and compounds of interest. Plates are incubated in a 25°C or 37°C H₂O bath and terminated via the addition of 40 μl/reaction of 0.5 M EDTA (pH 8) per well. Reactions are terminated within the time-frame during which substrate incorporation is linear and varied depending upon the enzyme and conditions used, i.e., 30 min. for HCMV polymerase. Ten μl of streptavidin-SPA beads (20 mg/ml in PBS/10% glycerol) are added following termination of the reaction. Plates are incubated 10 min. at 37°C, then equilibrated to room temperature, and counted on a Packard Topcount. Results of the testing of compounds of the present invention in this assay are shown in TABLE 1 below.

These compounds of the present invention are administered in a pharmaceutical composition containing the compound in combination with a suitable excipient, the composition being useful in combating viral infections. Pharmaceutical compositions containing a compound appropriate for antiviral use are prepared by methods and contain excipients which are well known in the art. A generally recognized compendium of such methods and ingredients is Remington's Pharmaceutical Sciences by E.W. Martin (Mark Publ. Co., 15th Ed., 1975), which is hereby incorporated by reference herein.

The quantity of active component, that is the compounds of formula I according to this invention, in the pharmaceutical composition and unit dosage form thereof may be varied or adjusted widely depending upon the particular application method, the potency of the particular compound and the desired concentration. Generally, the quantity of active component will range between 0.5% to 90% by
weight of the composition.

The compounds of the present invention are administered parenterally (for example, by intravenous, intraperitoneal or intramuscular injection), topically, orally, or rectally, depending on whether the preparation is used to treat internal or external viral infections.

For internal infections, the compositions are administered orally or parenterally at dose levels, calculated as the free base, of about 0.1 to 300 mg/kg, preferably 1.0 to 30 mg/kg of mammal body weight, and are used in man in a unit dosage form, administered one to four times daily in the amount of 1 to 1000 mg per unit dose.

For parenteral administration or for administration as drops, as for eye infections, the compounds are presented in aqueous solution in a concentration of from about 0.1 to 10%, more preferably about 0.1 to 7%. The solution may contain other ingredients, such as emulsifiers, antioxidants or buffers.

The exact regimen for administration of the compounds and compositions disclosed herein will necessarily be dependent upon the needs of the individual subject being treated, the type of treatment and, of course, the judgment of the attending practitioner.

The following Scheme outlines the preparation of the compounds of the present invention.

**SCHEME I**

![Scheme I](image)

In Scheme I, Y is -NHR$_1$, or $-N X$, R$_1$, Rx and X are as defined previously. The synthesis of structures 3 and 4, the compounds of the present invention, required two or three steps. 2-Amino-5-bromo-1,3,4-thiadiazole 2 is prepared through bromination of commercially available 2-amino-1,3,4-thiadiazole. Compound 3 is prepared through direct bromide displacement of thiadiazole 2 with...
an appropriate amine. Compound 3 then react with an appropriate acid chloride to provide compound 4.

It will be apparent to those skilled in the art that the described synthetic procedures are merely representative in nature and that alternative synthetic processes are known to one of ordinary skill in organic chemistry.

The compounds and their preparations of the present invention will be better understood in connection with the following examples, which are intended as an illustration of and not a limitation upon the scope of the invention.

**EXAMPLE 1** Preparation of starting material 5-bromo-1,3,4-thiadiazol-2-ylamine.

To a stirred solution of 2-amino-1,3,4-thiadiazole (40.5 g) in 250 ml of acetic acid is added 22.7 ml of bromine over about 20 minutes. The flask is surrounded by an ice bath during the addition to maintain the reaction temperature near 25 °C.

Following the addition, the ice bath is removed and the clear red solution stirred at ambient temperature for 18 hours, then added to 1L of cracked ice. Excess bromine is quenched with NaHSO₃, and 40 ml of 50% aqueous NaOH is added. The precipitated solid is isolated by filtration and washed well with water, then dissolved in 300 ml of water containing 40 ml concentrated HCl. The solution is filtered from a small amount of solid, then 87 g of K₂HPO₄ in a small quantity of water is added. The resulting slurry is chilled in ice and filtered, and the solid washed well with water. Recrystallization of the product from 400 ml of ethanol provides 26.3 g of the title compound.

\[ ^1\text{H}NMR (DMSO-\text{d}_6) \delta 7.51 \text{ ppm.} \]

**EXAMPLE 2** Preparation of tert-Butyl 4-(5-amino-1,3,4-thiadiazol-2-yl)tetrahydro-1(2H)-pyrazinecarboxylate.

A mixture of 5-bromo-1,3,4-thiadiazol-2-ylamine (9.27 g), Boc-piperazine (11.51 g), and K₂HPO₄ (13.4 g) in 30 ml of DMF is heated at 100 °C under argon for four hours, then cooled and added to 100 g of ice. The mixture is extracted with ethyl acetate, and the organic phase washed twice with water and dried (MgSO₄).
Following removal of the solvent under reduced pressure, the residue is flash chromatographed on silica using 4% methanol in dichloromethane to afford 8.32 g of the title compound as a solid. Recrystallization from 240 ml of 1:1 acetonitrile-toluene provides 6.65 g of solid.  

\[ \text{NMR } \delta 1.47, 3.34, 3.53, 4.8 \text{ ppm} \]

IR 3411, 3132, 1698, 1676, 1500, 1427, 1251, 1167 cm\(^{-1}\)

EI HRMS m/z found: 285.1277

M.p. 215-216 °C.

**EXAMPLE 3** Preparation of N-(5-Amino-1,3,4-thiadiazol-2-yl)-N-phenethylamine.

A mixture of 5-bromo-1,3,4-thiadiazol-2-ylamine (360 mg), phenethylamine (0.38 ml), and KH2PO4 (522 mg) in 2 ml of DMF is heated under nitrogen at 100 °C for two hours, then partitioned between water and ethyl acetate. The organic phase is washed with water and brine, dried over MgSO4, and concentrated under reduced pressure. Flash chromatography of the residue on silica using 4-5% methanol in dichloromethane provides 261 mg of the title compound. Recrystallization of 238 mg of this from 10 ml of 1:1 acetonitrile-toluene affords 205 mg of crystals.  

\[ \text{^1H NMR } \delta 2.92, 3.50, 7.2-7.3 \text{ ppm} \]

IR 3186, 1565, 1505 cm\(^{-1}\)

EI MS m/z 221

M.p. 156-157 °C


**EXAMPLE 4** Preparation of 5-Morpholino-1,3,4-thiadiazol-2-ylamine.

A mixture of 5-bromo-1,3,4-thiadiazol-2-ylamine, K2HPO4 (5.7 g), and 5.3 ml of morpholine in 20 ml of DMF is heated at 80 °C under nitrogen for 18 hours, then diluted with 50 ml of water. The clear solution is placed in a continuous extractor...
and extracted with a brisk flow of dichloromethane for 18 hours. The solution is
dried over MgSO₄ and concentrated under reduced pressure, with toluene azeotropes
to remove DMF. Recrystallization of the residual solid from 50 ml of acetonitrile
and 100 ml of toluene affords 3.92 g of the title compound.

1H NMR δ 3.34, 3.80 ppm
IR 1528, 1499, 1448, 1245, 1112, 1036, 906 cm⁻¹
EI MS m/z 186
Anal. Found: C, 38.67; H, 5.48; N, 30.17; S, 17.18.

EXAMPLE 5 Preparation of tert-Butyl N-(2-R(5-amino-1,3,4-thiadiazol-2-
yl)amino)ethyl)carbamate.

A mixture of 5-bromo-1,3,4-thiadiazol-2-ylamine (5.40 g), K₂HPO₄ (7.84 g),
and Boc-ethylenediamine (9.6 g) in 20 ml of DMF is stirred at ambient temperature
for 18 hours. The solid paste obtained is recrystallized from 100 ml of acetonitrile
and 100 ml of water to provide 6.18 g (79%) of the title compound.
1H NMR (MeOH-d₄) δ 1.40, 3.2-3.3 ppm
IR 2989, 1676, 1577, 1512, 1366 cm⁻¹
EI MS m/z 260
M.p. 219-220 °C.

EXAMPLE 6 Preparation of N-[5-(Cycloheptylamino)-1,3,4-thiadiazol-2-yl]-2-ethoxy-
1-naphthamide.-ethoxy-1-naphthyl).

A mixture of 5-bromo-1,3,4-thiadiazol-2-ylamine (720 mg), K₂HPO₄ (780 mg),
and cycloheptylamine (0.51 mg) in 5 ml of DMF is stirred at 60 °C for 4 hours, then
diluted with pyridine and centrifuged to remove solids. To one-half of this solution,
cooled to 0 °C, is added a solution of 469 mg of 2-ethoxy-1-naphthoyl chloride in 5 ml of chloroform. The solution is stirred at room temperature overnight, then concentrated under reduced pressure. Addition of water and ethyl acetate to the residue provides a solid, which is filtered, washed with ethyl acetate and water, and dried under vacuum to afford 200 mg of the title compound as a white solid.

\(^1\)H NMR (CDCl\(_3\)) \(\delta\) 1.50, 1.4-1.8, 2.1, 3.6, 4.26, 7.3-7.6, 7.8, 8.0 ppm
HRMS (m+H) 411.1875.

EXAMPLE 7 Preparation of N-[5-(Cycloheptylamino)-1,3,4-thiadiazol-2-yl]-2-methoxybenzamide.

A mixture of 5-bromo-1,3,4-thiadiazol-2-ylamine (720 mg), K\(_2\)HPO\(_4\) (780 mg), and cycloheptylamine (0.51 mg) in 5 ml of DMF is stirred at 60 °C for 4 hours, then diluted with pyridine and centrifuged to remove solids. To one-half of this solution, cooled to 0 °C, is added 0.30 ml of o-anisoyl chloride. The solution is stirred at room temperature overnight, then concentrated under reduced pressure and diluted with 100 ml of water. The precipitated solid is filtered, washed with water, and dried under vacuum to afford 641 mg of the title compound.

\(^1\)H NMR (CDCl\(_3\)) \(\delta\) 1.4-1.7, 2.1, 3.6, 4.09, 7.0-7.2, 7.6, 8.25 ppm
HRMS m/z 346.1469.

EXAMPLE 8 Preparation of N-{5-[(2,2-Diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide.

A mixture 5-bromo-1,3,4-thiadiazol-2-ylamine (720 mg), K\(_2\)HPO\(_4\) (780 mg), and 2,2-diphenylethylamine (789 mg) in 5 ml of DMF is stirred at 60 °C for 4 hours, then diluted with pyridine and centrifuged to remove solids. To one-half of this
solution, cooled to 0 °C, is added a solution of 2-ethoxy-1-naphthoyl chloride (469 mg) in 5 ml of chloroform. The solution is stirred at room temperature overnight, then concentrated under reduced pressure and diluted with 100 ml of water. The resultant solid is filtered, washed with water, and dried under vacuum to provide 947 mg of the title compound.

**EXAMPIE 9** Preparation of 2-Ethoxy-N-(5-([2-(1H-indol-3-yl)ethyl]amino)-1,3,4-thiadiazol-2-yl)-1-naphthamide.

\[ \text{HN N-O} \]
\[ \text{CH}_3 \]
\[ \text{SN} \]
\[ \text{H} \]

A mixture of 5-bromo-1,3,4-thiadiazol-2-ylamine (720 mg), KHPO$_4$ (780 mg), and tryptamine (641 mg) in 5 ml of DMF is stirred at 60 °C for 12 hours, then diluted with pyridine and centrifuged to remove solids. To one-half of this solution, cooled to 0 °C, is added a solution of 469 mg of 2-ethoxy-1-naphthoyl chloride in 5 ml of chloroform. The solution is stirred at room temperature overnight, then concentrated under reduced pressure and diluted with 100 ml of water. The resultant solid is filtered, washed with water, and dried under vacuum to provide 866 mg of white solid. Column chromatography of 249 mg of this on silica, using 1.5-4% methanol in dichloromethane, provides 191 mg of the title compound.

$^1$H NMR (CDCl$_3$) δ 1.43, 3.06, 3.70, 4.26, 4.44, 7.0-7.2, 7.3-7.4, 7.5, 7.6, 7.8, 8.0 ppm
HRMS (m+H) 458.1655.

**EXAMPLE 10** Preparation of N-[5-([(2R)-6,6-Dimethylbicyclo[3.1.1]hept-2-yl]methyl]amino)-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide.

\[ \text{SN-N-O} \]
\[ \text{H} \]
\[ \text{CH}_3 \]

A mixture of 5-bromo-1,3,4-thiadiazol-2-ylamine (720 mg), KHPO$_4$ (780 mg),
and myrtanylamine (0.67 mg) in 5 ml of DMF is stirred at 60 °C for 12 hours, then
diluted with pyridine and centrifuged to remove solids. To one-half of this solution,
cooled to
0 °C, is added a solution of 2-ethoxy-1-naphthoyl chloride (469 mg) in 5 ml of chloroform.
The solution is stirred at room temperature overnight, then concentrated under reduced
pressure and diluted with 100 ml of water. The resultant solid is filtered, washed with
water, and dried under vacuum to provide 846 mg of solid. Column chromatography of
249 mg of this on silica, using 2-4% methanol in dichloromethane, provides 220 mg of
the title compound.

1H NMR (CDCl₃) δ 1.07, 1.23, 1.44, 1.8-2.1, 2.4, 3.3, 4.27, 7.2-7.6, 7.8, 8.0 ppm
HRMS (m+H) 451.2163.

EXAMPLE 11 The Following 1,3,4-Thiadiazoles of the Present Invention Are
Prepared by General Procedure Described Below.

To each 48 solutions of 5-bromo-1,3,4-thiadiazol-2-ylamine (234 mg, 1.3 mmol) in
1.5 ml of DMF is added K₂HPO₄ (272 mg) and 1.3 mmol of the following amines
respectively: phenethylamine, 2-furylmethylamine, 1-(3-aminopropyl)-2-pyrrolidinone,
2-pyridinylmethylamine, N-(2-aminoethyl)-N-phenylamine, 2-(1H-indol-3-yl)ethylamine,
cyclohexylmethylamine, cyclohexylmethylamine, (1S,2R,5S)-6,6-dimethylbicyclo[3.1.1]hept-2-
yl)methylamine, 2-(1-pyrrolidinyl)ethylamine, tetrahydro-2-furanylethylamine,
4-pyridinylmethylamine, 1,3-benzodioxol-5-ylmethylamine, 2-morpholinoethylamine,
1-naphthylmethylamine, 4-fluorobenzylamine, 3-pyridinylmethylamine,
2-piperidinoethylamine, 2-ethylhexylamine, 4-(2-aminoethyl)benzenesulfonamide,
N-(3-aminopropyl)-N-cyclohexylamine, 3,4-dichlorobenzylamine,
3,4-dimethoxybenzylamine, 4-phenylbutylamine, 2,2-diphenylethylamine,
undecylamine, 3,3-diphenylpropylamine, 2-(2-thienyl)ethylamine,
4-(aminomethyl)benzenesulfonamide, 3-(4-methylpiperazino)propylamine,
3-amino propanenitrile, 2-(phenylsulfonyl)ethylamine, 2-thienylmethylamine,
N-(2-aminoethyl)acetamide, 3-(1H-imidazol-1-yl)propylamine,
tert-butyl 3-aminopropanoate, cyclopropylamine, cyclopropylmethylamine,
2-(1H-imidazol-4-yl)ethylamine, 2-(ethylsulfonyl)ethylamine, cyclobutylamine,
2-(1-methyl-2-pyridinyl)ethylamine, 2,3-dihydro-1Hinden-1-ylamine,
neopentylamine, 1,2,3,4-tetrahydro-1-naphthalenamine, ethyl 4-aminotetrahydro-1(2H) pyridinecarboxylate, 1-benzyl-4-pip eridinylamine, and N-(2-aminoethyl)-N,N-
dimethylamine.

The resultant 48 mixtures are heated at 60 °C for 3 hours to provide a DMF
solutions of the corresponding substituted aminothiadiazole intermediates. The solutions of intermediate aminothiadiazoles are diluted with pyridine to a volume of 10.0 ml, and solids are removed by centrifugation. The supernatants are aliquoted into wells of 96-well plates (0.40 ml per well) respectively, and to each well is added 0.26 ml of a 0.2 M chloroform solution of the following acid chlorides respectively:

2,4-difluorobenzoyl chloride, 2-methoxybenzoyl chloride, 4-bromobenzoyl chloride, 4-methylbenzoyl chloride, 5-chloropenantanol chloride, 4-cyanobenzoyl chloride, 3-nitrobenzoyl chloride, 3,5-difluorobenzoyl chloride, (E)-3-(2-chlorophenyl)-2-propenoyl chloride, 2-ethoxy-1-naphthoyl chloride, (Z)-9-octadecenoyl chloride,

2,6-dichlorobenzoyl chloride, 3,4-dichlorobenzoyl chloride, 4-(trifluoromethyl)benzoyl chloride, (E)-3-phenyl-2-propenoyl chloride, 4-iodobenzoyl chloride, 1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxyl chloride, 4-(fluorosulfonyl)benzoyl chloride, 2,4,6-trisopropylbenzoyl chloride, 5-nitro-2-furoyl chloride, and 1-benzothiophene-2-carbonyl chloride.

The plates are shaken at intervals to effect mixing of reactants, and the acylation is allowed to proceed at room temperature overnight. Removal of the solvents in a stream of air or under vacuum then affords the compounds listed in TABLE 1. All the amines and acid chlorides used above are either commercially available or can be easily prepared by one having ordinary skill in the organic chemistry art utilizing well known procedures.

In TABLE 1, "MS" refers to mass spectral data, "% inhib" refers to percentage of inhibition at 25 μM concentration in CMV polymerase assay.

| 1 | (E)-N-(5-[(3-(cyclohexylamino)propyl]amino)-1,3,4-thiadiazol-2-yl)-9-octadecenamide | 520 | 100.2 |
| 2 | N-(5-[(3-(cyclohexylamino)propyl]amino)-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide | --- | 100.1 |
| 3 | N-(5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide | 419 | 100.0 |
| 4 | 1,3-dioxo-N-[(5-undecylamino)-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide | 443 | 100.0 |
| 5 | (E)-N-(5-[(2-(1-methyl-2-pyrrolidinyl)ethyl]amino)-1,3,4-thiadiazol-2-yl)-9-octadecenamide | 492 | 99.9 |
| 6 | N-(5-[(2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-1,3- | -17- |
dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,

7 N-[5-[[4-fluorobenzyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide

8 N-[5-[[1-naphthylmethyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide

9 1,3-dioxo-N-[5-[[2-(2-thienyl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide

10 N-[5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide

11 1,3-dioxo-N-[5-[[4-phenylbutyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide

12 N-[5-[[3,4-dichlorobenzyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide

13 N-[5-[[3,3-diphenylpropyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide

14 (E)-N-[5-[[3-(4-methylpiperazino)propyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide

15 N-[5-[[4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide

16 N-[5-[[3,4-dimethoxybenzyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide

17 N-[5-[[2,2-diphenylethyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide

18 (E)-N-[5-[[4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide

19 (E)-N-[5-[[2-(1-pyrrolidinyl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide

20 N-[5-[[1,3-benzodioxol-5-ylmethyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide

21 1,3-dioxo-N-[5-[[1,2,3,4-tetrahydro-1-naphthalenyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide

22 N-[5-[[((2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl)methyl]amino]-1,3,4-thiadiazol-2-yl]-2-methoxybenzamide
23 (E)-N-(5-[[2-(dimethylamino)ethyl]amino]-1,3,4-thiadiazol-2-yl)-9-octadecenamide
24 1,3-dioxo-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide
25 N-[5-([2R]-6,6-dimethylbicyclo[3.1.1]hept-2-yl)methyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide
26 N-(5-[[4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl)-2-ethoxy-1-naphthamide
27 N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-2-ethoxy-1-naphthamide
28 (E)-N-[5-(cyclopropylamino)-1,3,4-thiadiazol-2-yl]-9-octadecenamide
29 N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide
30 N-(5-[[4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl)-2,6-dichlorobenzamide
31 (E)-N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-9-octadecenamide
32 (E)-N-(5-[[4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl)-3-phenyl-2-propenamide
33 1,3-dioxo-N-[5-[[2-(phenylsulfonyl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide
34 (E)-3-(2-chlorophenyl)-N-[5-[(cyclopropylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2-propenamide
35 N-(5-[[4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl)-2,4,6-trisopropylbenzamide
36 N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-2,4,6-trisopropylbenzamide
37 2,6-dichloro-N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)benzamide
38 (E)-N-(5-[[2,2-diphenylethyl]amino]-1,3,4-thiadiazol-2-yl)-9-octadecenamide
39 1,3-dioxo-N-[5-[[2-thienylmethyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide
40 N-(5-[[2,3-dihydro-1H-inden-1-yl]amino]-1,3,4-thiadiazol-2-yl)-3-phenyl-2-propenamide
yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide
41 (E)-N-(5-[[2-(2-thienyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-9-octadecenamide
42 (E)-N-[5-[(2-thienylmethyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide
43 N-[5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide
44 N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]-5-nitro-2-furamide
10 45 N-[5-[(1-benzyl-4-piperidinyl)amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide
46 4-cyano-N-[5-[[3,3-diphenylpropyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
47 N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-5-nitro-2-furamide
15 48 (E)-N-[5-[[4-fluorobenzyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide
49 4-{[5-(undecylamino)-1,3,4-thiadiazol-2-yl]amino}carbonyl]benzenesulfonyl fluoride
20 50 (E)-N-[5-[[4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide
51 (E)-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]-9-octadecenamide
52 N-[5-[[4-phenylbutyl]amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide
25 53 (E)-N-[5-[[1,3-benzodioxol-5-ylmethyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide
54 1,3-dioxo-N-[5-[[4-pyridinylmethyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide
30 55 N-[5-[[2,2-diphenylethyl]amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide
56 2,6-dichloro-N-[5-[[2,2-diphenylethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
57 N-[5-[[4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl]-4-iodobenzamide
35 58 (E)-N-[5-[[2-(phenylsulfanyl)ethyl]amino]-1,3,4-
thiadiazol-2-yl)-9-octadecenamide

59 4-iodo-N-[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]benzamide

60 5-nitro-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]-2-furamide

61 N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide

62 N-[5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide

63 2,6-dichloro-N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]benzamide

64 (E)-N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide

65 4-cyano-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]benzamide

66 2-ethoxy-N-[5-[(3-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl]-1-naphthamide

67 (E)-3-(2-chlorophenyl)-N-[5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl]-2-propenamide

68 N-[5-[4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl]-4-iodobenzamide

69 N-[5-[(2-anilinoethyl)amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide

70 2-ethoxy-N-[5-[(2-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl]-1-naphthamide

71 2-ethoxy-N-[5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl]-1-naphthamide

72 (E)-N-[5-[(3-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide

73 2,6-dichloro-N-[5-[(3,4-dichlorobenzyl)amino]-1,3,4-thiadiazol-2-yl]benzamide

74 4-cyano-N-[5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl]benzamide

75 (E)-3-(2-chlorophenyl)-N-[5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl]-2-propenamide

76 2,6-dichloro-N-[5-(1,2,3,4-tetrahydro-1-naphthalenyl-
amino)-1,3,4-thiadiazol-2-yl]benzamide
77 (E)-3-phenyl-N-(5-[(2-(2-thienyl)ethyl)amino]-1,3,4-thiadiazol-2-yl)-2-propenamide
78 2-ethoxy-N-[5-(2-thienylmethyl)amino]-1,3,4-thiadiazol-2-yl]-1-naphthamide
579 tert-butyl 3-((E)-9-octadecenoylamino)-1,3,4-thiadiazol-2-yl]amino)propanoate
80 3-nitro-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]-benzamide
1081 (E)-3-phenyl-N-[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]-2-propenamide
82 4-cyano-N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
83 4-cyano-N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide
1584 2,6-dichloro-N-[5-[(4-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide
85 N-[5-[(1-benzyl-4-piperidinyl)amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide
2086 ethyl 4-[[2-ethoxy-1-naphthyl]carbonyl]amino]-1,3,4-thiadiazol-2-yl]amino]tetrahydro-1(2H)-pyridinecarboxylate
87 N-[5-[[3-(1H-imidazol-1-yl)propyl]amino]-1,3,4-thiadiazol-2-yl]-2,4,6-triisopropylbenzamide
2588 (E)-N-[5-[(4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl]-3-(2-chlorophenyl)-2-propenamide
89 2-ethoxy-N-[5-[(2-(1H-imidazol-4-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-1-naphthamide
3090 4-[[5-[(2-(1H-indol-3-yl)ethyl]aminol-1,3,4-thiadiazol-2-yl]amino]carbonyl]benzenesulfonyl fluoride
91 ethyl 4-[[5-((E)-9-octadecenoylamino]-1,3,4-thiadiazol-2-yl]amino]tetrahydro-1(2H)-pyridinecarboxylate
92 2,6-dichloro-N-[5-[(2-(2-thienyl)ethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
3593 2-ethoxy-N-[5-(1,2,3,4-tetrahydro-1-naphthalenyl]amino]-
1,3,4-thiadiazol-2-yl)-1-naphthamide
94 (E)-3-phenyl-N-[5-[(4-pyridinylmethyl)amino]-1,3,4-
thiadiazol-2-yl]-2-propenamide
95 N-[5-(2,3-dihydro-1H-inden-1-ylamino)-1,3,4-thiadiazol-
2-yl]-2-ethoxy-1-naphthamide
96 N-[5-[(1,3-benzodioxol-5-yl)ethyllamino]-1,3,4-thiadiazol-
2-yl]-2,6-dichlorobenzamide
97 2-ethoxy-N-[5-[(2-(2-thienyl)ethyl)amino]-1,3,4-
thiadiazol-2-yl]-1-naphthamide
10 98 (E)-3-(2-chlorophenyl)-N-[5-[2-(1H-imidazol-4-yl)ethyl-
amino]-1,3,4-thiadiazol-2-yl]-2-propenamide
99 2,6-dichloro-N-[5-[3-(1H-imidazol-1-yl)propyllamino]-
1,3,4-thiadiazol-2-yl]benzamide
100 (E)-N-[5-[(3,4-dimethoxybenzyl)amino]-1,3,4-thiadiazol-
2-yl]-9-octadecanamide
101 2,6-dichloro-N-[5-[(1-naphthylmethyl)amino]-1,3,4-
thiadiazol-2-yl]benzamide
102 4-cyano-N-[5-[(2-(2-thienyl)ethyl)amino]-1,3,4-
thiadiazol-2-yl]benzamide
20 103 4-cyano-N-[5-(cycloheptylamino)-1,3,4-thiadiazol-
2-yl]benzamide
104 N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-5-
nitro-2-furamide
105 (E)-N-[5-phenylamino]-1,3,4-thiadiazol-2-yl]
9-octadecanamide,
25 106 5-chloro-N-[5-(undecylamino)-1,3,4-thiadiazol-2-
yl]pentanamide,
107 (E)-N-[5-[(1,2,3,4-tetrahydro-1-naphthalenylamino)-
1,3,4-thiadiazol-2-yl]-9-octadecanamide
30 108 (E)-N-[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]-
9-octadecanamide
109 2,4,6-trisopropyl-N-[5-[(2-(1-methyl-2-pyrrolidinyl)ethyl-
amino]-1,3,4-thiadiazol-2-yl]benzamide
110 (E)-N-[5-[(1-benzyl-4-piperidinyl)amino]-1,3,4-thiadiazol-
2-yl]-3-(2-chlorophenyl)-2-propenamide
35 111 4-[[[(5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-

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112 N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-4-(trifluoromethyl)benzamide

113 (E)-N-[5-[(cyclopropylmethyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide

114 (E)-3-phenyl-N-[5-[[2-(phenylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-2-propenamide

115 2,6-dichloro-N-[5-(2,3-dihydro-1H-inden-1-ylamino)-1,3,4-thiadiazol-2-yl]benzamide

116 N-[5-[(2-ethylhexyl)amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide

117 (E)-N-[5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl]-3-(2-chlorophenyl)-2-propenamide

118 2,6-dichloro-N-[5-[(2-thienylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide

119 (E)-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide

120 tert-butyl 3-[[E]-3-(1-(benzofuran-5-carboxamido)-1,3,4-thiadiazol-2-yl)amino]propanoate

121 2,4-difluoro-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]benzamide

122 N-[5-[[3,4-dimethoxybenzyl]amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide

123 (E)-N-[5-[[2-(acetamino)ethyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide

124 (E)-N-[5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide

125 (E)-N-[5-[[4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl]-3-(2-chlorophenyl)-2-propenamide

126 N-[5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl]-5-nitro-2-furamide

127 4-cyano-N-[5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide

128 N-[5-[[4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl]-2,4,6-trisopropylbenzamide

129 (E)-N-[5-[[2-(ethylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide

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62.6

62.2

62.1

62.0

61.9

61.5

61.2

60.6

60.0

60.0

59.5

59.2

59.2

58.9

58.9

58.5

58.3
thiadiazol-2-yl)-9-octadecenamide
130  (E)-N-(5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-
1,3,4-thiadiazol-2-yl)-3-phenyl-2-propenamide
131  5-nitro-N-[5-[(4-phenylbutyl)amino]-1,3,4-
thiadiazol-2-yl]-2-furamide
132  ethyl 4-((5-[[2,6-dichlorobenzoyl]amino]-1,3,4-
thiadiazol-2-yl]amino)tetrahydro-1(2H)-
pyridinecarboxylate
133  (E)-N-(5-[[3-(1H-imidazol-1-yl)propyl]amino]-
1,3,4-thiadiazol-2-yl)-3-phenyl-2-propenamide
134  N-[5-[[3,4-dimethoxybenzyl]amino]-1,3,4-
thiadiazol-2-yl]-4-iodobenzamide
135  3-nitro-N-(5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
136  2-ethoxy-N-(5-[[1-naphthylmethyl]amino]-1,3,4-
thiadiazol-2-yl]-1-naphthamide
137  N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl]-3-nitrobenzamide
138  N-[5-[[4-(phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]-
4-((trifluoromethyl)benzamide
139  (E)-3-phenyl-N-[5-[[2-pyridinylmethyl]amino]-
1,3,4-thiadiazol-2-yl]-2-propenamide
140  4-cyano-N-[5-[[3,4-dichlorobenzyl]amino]-1,3,4-
thiadiazol-2-yl]benzamide
141  2-ethoxy-N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-
1,3,4-thiadiazol-2-yl] -1-naphthamide
142  N-(5-[[4-(aminosulfonyl)phenethyl]amino]-1,3,4-
thiadiazol-2-yl]-3,4-dichlorobenzamide
143  4-cyano-N-[5-[[4-phenylbutyl]amino]-1,3,4-
thiadiazol-2-yl]benzamide
144  2,6-dichloro-N-[5-[[4-fluorobenzyl]amino]-1,3,4-
thiadiazol-2-yl]benzamide
145  2-ethoxy-N-[5-[[undecylamino]-1,3,4-thiadiazol-
2-yl]-1-naphthamide
146  2,6-dichloro-N-[5-[[2-cyanoethyl]amino]-1,3,4-
thiadiazol-2-yl]benzamide
147 4-iodo-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]benzamide
148 N-(5-{[2-(ethlysulfanyl)ethyl]amino}-1,3,4-thiadiazol-2-yl)-4-iodobenzamide
5 149 (E)-N-(5-{[2-(1H-indol-3-yl)ethyl]amino}-1,3,4-thiadiazol-2-yl)-9-octadecenamide
150 N-(5-{[3-(2-oxo-1-pyrrolidinyl)propyl]amino}-1,3,4-thiadiazol-2-yl)-1-benzothiophene-2-carboxamide
151 N-(5-{[1-benzyl-4-piperidinyl]amino}-1,3,4-thiadiazol-2-yl)-2,6-dichlorobenzamide
152 N-(5-{[4-(aminosulfanyl)phenethyl]amino}-1,3,4-thiadiazol-2-yl)-4-bromobenzamide
153 (E)-N-(5-{[2-(1H-indol-3-yl)ethyl]amino}-1,3,4-thiadiazol-2-yl)-3-phenyl-2-propenamide
154 (E)-3-(2-chlorophenyl)-N-{5-{[2,2-diphenylethyl]amino}-1,3,4-thiadiazol-2-yl}-2-propenamide
155 4-cyano-N-{5-{[1-naphthylmethyl]amino}-1,3,4-thiadiazol-2-yl]benzamide
156 2,6-dichloro-N-{5-{[3-pyridinylmethyl]amino}-1,3,4-thiadiazol-2-yl]benzamide
20 157 N-[5-(cycloheptyl]amino)-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide
158 4-cyano-N-(5-{[3-(2-oxo-1-pyrrolidinyl)propyl]amino}-1,3,4-thiadiazol-2-yl]benzamide
25 159 4-bromo-N-{5-{[3-(cyclohexylamino)propyl]amino}-1,3,4-thiadiazol-2-yl]benzamide
160 N-(5-{[3-(cyclohexylamino)propyl]amino}-1,3,4-thiadiazol-2-yl]-2,4-difluorobenzamide
161 (E)-3-(2-chlorophenyl)-N-{5-{[2-pyridinylmethyl]amino}-1,3,4-thiadiazol-2-yl]-2-propenamide
30 162 N-(5-{[3-(cyclohexylamino)propyl]amino}-1,3,4-thiadiazol-2-yl)-4-methylbenzamide
163 4-bromo-N-(5-{[2-(phenylsulfanyl)ethyl]amino}-1,3,4-thiadiazol-2-yl]benzamide
35 164 (E)-3-(2-chlorophenyl)-N-{5-{[2-thienylmethyl]amino}-1,3,4-thiadiazol-2-yl]-2-propenamide
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N-{5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl]-5-chloropentanamide

(E)-N-[5-[[2R]-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl]-1,3,4-thiadiazol-2-yl]-9-octadecenamide

4-methyl-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]benzamide

3,4-dichloro-N-[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]benzamide

2,4,6-trisopropyl-N-[5-[[2-(1-pyrroldinyl)ethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide

4-bromo-N-[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]benzamide

(E)-N-[5-[[2-pyrindinylmethyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide

3,4-dichloro-N-[5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide

2,4,6-trisopropyl-N-[5-[[1-naphthylmethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide

2,6-dichloro-N-[5-[(2-furylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide

3,5-difluoro-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]benzamide

N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]-2,4,6-trisopropylbenzamide

N-[5-[(cyclopropylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide

(E)-N-[5-[[1,3-benzodioxol-5-ylmethyl]amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide

(E)-N-[5-[(2-anilinoethyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide

N-[5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide

N-[5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl]-4-methylbenzamide

N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]-2,4-difluorobenzamide
5-chloro-N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]pentanamide

1,3-dioxo-N-[5-[(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide

(E)-3-(2-chlorophenyl)-N-(5-[(2-thienyl)ethyl]amino)-1,3,4-thiadiazol-2-yl)-2-propenamide

5-chloro-N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]pentanamide

N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide

N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]-3,5-difluorobenzamide

4-[(5-[(3-cyclohexylamino)propyl]amino)-1,3,4-thiadiazol-2-yl]amino)carbonyl]benzenesulfonyl fluoride

N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]-3-nitrobenzamide

3,4-dichloro-N-[5-[(3-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide

5-nitro-N-[5-(1,2,3,4-tetrahydro-1-naphthalenylamino)-1,3,4-thiadiazol-2-yl]-2-furamide

(E)-3-(2-chlorophenyl)-N-(5-[(2-ethylsulfanyl)ethyl]amino)-1,3,4-thiadiazol-2-yl)-2-propenamide

4-bromo-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]benzamide

4-iodo-N-[5-[(2-(phenylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide

(E)-N-[5-(cyclobutylamino)-1,3,4-thiadiazol-2-yl]-9-octadecenamide

5-chloro-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]pentanamide
201 N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-3-nitrobenzamide
202 3,4-dichloro-N-[5-[3-(1H-imidazol-1-yl)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
203 4-iodo-N-[5-{3-(2-oxo-1-pyrrolidiny1)propyl}amino]-1,3,4-thiadiazol-2-yl]benzamide
204 4-{[(5-{[2-anilinoethyl]amino}-1,3,4-thiadiazol-2-yl]amino}carbonyl]benzenesulfonyl fluoride
205 2,4-difluoro-N-{5-[2-(phenylsulfanyl)ethyl]amino}-1,3,4-thiadiazol-2-yl]benzamide
206 2-ethoxy-N-{5-[2-(phenylsulfanyl)ethyl]amino}-1,3,4-thiadiazol-2-yl]-1-naphthamide
207 N-[5-{3,4-dichlorobenzyl}amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide
208 (E)-3-(2-chlorophenyl)-N-[5-{3-(2-oxo-1-pyrrolidinyl)propyl}amino]-1,3,4-thiadiazol-2-yl]-2-propenamide
209 N-[5-{[(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl}amino]-1,3,4-thiadiazol-2-yl]-5-nitro-2-furamide
210 (E)-3-(2-chlorophenyl)-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]-2-propenamide
211 (E)-N-[5-{2-(ethylsulfanyl)ethyl}amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide
212 N-[5-{3-(cyclohexylamino)propyl}amino]-1,3,4-thiadiazol-2-yl]-4-iodobenzamide
213 2-ethoxy-N-{5-[2-furylmethyl]amino}-1,3,4-thiadiazol-2-yl]-1-naphthamide
214 N-[5-{1-naphthylmethyl}amino]-1,3,4-thiadiazol-2-yl]-1-benzo thiophene-2-carboxamide
215 (E)-N-[5-{2-(1H-imidazol-4-yl)ethyl}amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide
216 (E)-3-(2-chlorophenyl)-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]-2-propenamide
217 4-{[(5-{3,3-diphenylpropyl}amino)-1,3,4-thiadiazol-2-yl]amino}carbonyl]benzenesulfonyl fluoride
218 L-2362 N-[5-{1-benzyl-4-piperidiny1}amino]-1,3,4-thiadiazol-2-yl]-1-benzo thiophene-2-carboxamide

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219 N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-2,4,6-trisopropylbenzamide
220 (E)-N-5-[[2-morpholinoethyl]amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide
221 (E)-3-(2-chlorophenyl)-N-(5-[[3-(1H-imidazol-1-yl)propyl]amino]-1,3,4-thiadiazol-2-yl)-2-propenamide
222 N-5-[[4-pyridinylmethyl]amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide
223 N-(5-[[4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl)-1-benzothiophene-2-carboxamide
224 N-5-[[2,2-diphenylethyl]amino]-1,3,4-thiadiazol-2-yl]-2-methoxybenzamide
225 2,6-dichloro-N-5-[[4-phenylbutyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
226 N-[5-[[3,3-diphenylpropyl]amino]-1,3,4-thiadiazol-2-yl]-3-nitrobenzamide
227 N-[5-(cyclopropylamino)-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide
228 3,5-difluoro-N-5-[[3-(2-oxo-1-pyrrolidiny)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
229 \(N\)\((u)2\(d)\)-undecyl-1,3,4-thiadiazole-2,5-diamine
230 N-5-[[4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl]-4-methylbenzamide
231 2-ethoxy-N-5-[[4-phenylbutyl]amino]-1,3,4-thiadiazol-2-yl]-1-naphthamide
232 2,4,6-trisopropyl-N-5-[[2-piperidinoethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
233 2-ethoxy-N-5-[[5-neopentylamino]-1,3,4-thiadiazol-2-yl]-1-naphthamide
234 N-5-[[2-(2-thienyl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide
235 N\((u)2\(d)\)-1-naphthylmethyl-1,3,4-thiadiazole-2,5-diamine
236 N-5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide
237 N-5-[[2-thienylmethyl]amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide
238 (E)-N-[5-[(2-furymethyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide

239 4-(trifluoromethyl)-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]benzamide

240 (E)-3-(2-chlorophenyl)-N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-2-propenamide

241 2,6-dichloro-N-[5-[(2-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide

242 2-ethoxy-N-[5-[(3-1H-imidazol-1-yl)propyl]amino]-1,3,4-thiadiazol-2-yl]-1-naphthamide

243 N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-2,4-difluorobenzamide

244 4-cyano-N-[5-[(3,4-dimethoxybenzyl)amino]-1,3,4-thiadiazol-2-yl]benzamide

245 (E)-N-[5-[(2-cyanoethyl)amino]-1,3,4-thiadiazol-2-yl)-9-octadecenamide

246 (E)-N-[5-[(tetrhydro-2-furanylmethyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide

247 3,4-dichloro-N-[5-[(2-furymethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide

248 N-[5-[(2-anilinoethyl)amino]-1,3,4-thiadiazol-2-yl]-2,4,6-triisopropylbenzamide

249 (E)-N-[5-[(2-cyanoethyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide

250 N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-2,4,6-triisopropylbenzamide

251 (E)-3-(2-chlorophenyl)-N-[5-[(2-furymethyl)amino]-1,3,4-thiadiazol-2-yl]-2-propenamide

252 N-[5-[(2-(1H-indol-3-yl)ethyl)amino]-1,3,4-thiadiazol-2-yl]-4-iodobenzamide

253 (E)-N-[5-[(1-benzyl-4-piperidinyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide

254 5-chloro-N-[5-[(2-phenylsulfonyl)ethyl]amino]-1,3,4-thiadiazol-2-yl]pentanamide

255 2,6-dichloro-N-[5-[(2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
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N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-1-benzo thiophene-2-carboxamide

N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]-1-benzo thiophene-2-carboxamide

N-(5-[[2-(acetylamino)ethyl]amino]-1,3,4-thiadiazol-2-yl)-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide

N-(5-[[4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl)-2,6-dichlorobenzamide

2,4,6-trisopropyl-N-[5-[[4-phenylbutyl]amino]-1,3,4-thiadiazol-2-yl]benzamide

N-[5-[[2-([2R]-6,6-dimethylbicyclo[3.1.1]hept-2-yl)methyl]amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthalam ide

(E)-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide

3,4-dichloro-N-[5-[[4-pyridinylmethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide

N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-5-nitro-2-furamide

N-[5-[[1-benzyl-4-piperidinyl]amino]-1,3,4-thiadiazol-2-yl]-2,4,6-trisopropylbenzamide

2,4,6-trisopropyl-N-[5-[[4-pyridinylmethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide

L-1768 N-[5-[[4-([aminosulfonyl]phenethyl)amino]-1,3,4-thiadiazol-2-yl]-1-benzo thiophene-2-carboxamide

(E)-3-(2-chlorophenyl)-N-[5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-2-propenamide

N-[5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-1-benzo thiophene-2-carboxamide

2-ethoxy-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]-1-naphthalamide

N-[5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-3-nitrobenzamide

4-bromo-N-[5-[[3-(1H-imidazol-1-yl)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide

N-[5-[[1,3-benzodioxol-5-ylmethyl]amino]-1,3,4-thiadiazol-2-yl]-4-bromobenzamide
(E)-N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide
N-[5-[(3-cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-3,5-difluorobenzamide

(E)-3-(2-chlorophenyl)-N-[5-(cyclobutylamino)-1,3,4-thiadiazol-2-yl)-2-propenamide
N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide
4-((5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl)amino)carbonyl)benzenesulfonyl fluoride

(E)-N-[5-(2,3-dihydro-1H-inden-1-ylamino)-1,3,4-thiadiazol-2-yl]-9-octadecenamide
2,6-dichloro-N-[5-[(3,4-dimethoxybenzyl)amino]-1,3,4-thiadiazol-2-yl]benzamide
N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-3,5-difluorobenzamide
5-nitro-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]-2-furamide
2,6-dichloro-N-[5-[(2-ethylhexyl)amino]-1,3,4-thiadiazol-2-yl]benzamide
N-[5-[(2-(1H-indol-3-yl)ethyl)amino]-1,3,4-thiadiazol-2-yl]-4-(trifluoromethyl)benzamide
(E)-N-[5-(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide
(E)-N-[5-[(2-ethylhexyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide
N-[5-(cyclopropylamino)-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide
N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-4-iodobenzamide
4-iodo-N-[5-[(4-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide
(E)-N-[5-[(1-benzyl-4-piperidinyl)amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide
N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-3-nitrobenzamide
292 2,6-dichloro-N-(5-[[2-(ethylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)benzamide
293 tert-butyl 3-[[2,6-dichloro-N-(5-[[2-(ethylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)amino]propanoate
294 (E)-N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-3-(2-chlorophenyl)-2-propenamide
295 3,4-dichloro-N-[5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
296 5-nitro-N-[5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]-2-furamide
297 N-[5-[[3,3-diphenylpropyl]amino]-1,3,4-thiadiazol-2-yl]-4-iodobenzamide
298 N-[5-[[3,3-diphenylpropyl]amino]-1,3,4-thiadiazol-2-yl]-5-nitro-2-furamide
299 N-[5-[[3,3-diphenylpropyl]amino]-1,3,4-thiadiazol-2-yl]-2,4,6-trisopropylbenzamide
300 N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-3,5-difluorobenzamide
301 N-[5-[[3-pyridinylmethyl]amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide
302 N-[5-[[4-fluorobenzyl]amino]-1,3,4-thiadiazol-2-yl]-3-nitrobenzamide
303 N-[5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-2-methoxybenzamide
304 N-[5-[[cyclohexylmethyl]amino]-1,3,4-thiadiazol-2-yl]-2-methoxybenzamide
305 N-[5-[[1,3-benzodioxol-5-ylmethyl]amino]-1,3,4-thiadiazol-2-yl]-2,4-difluorobenzamide
306 N-[5-[[2,2-diphenylethyl]amino]-1,3,4-thiadiazol-2-yl]-5-nitro-2-furamide
307 4-cyano-N-[5-[[[[2R]-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
308 2,4-dichloro-N-[5-[phenethylamino]-1,3,4-thiadiazol-2-yl]benzamide
309 4-bromo-N-[5-[[2-(ethylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-2-methoxybenzamide
N-[5-[[4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl]-3,4-dichlorobenzamide
5-chloro-N-[5-[[2R]-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl]amino]-1,3,4-thiadiazol-2-yl]pentanamide
(E)-N-[5-[[3,4-dichlorobenzyl]amino]-1,3,4-thiadiazol-2-yl]9-octadecanamide
N-[5-(cyclobutylamino)-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide
5-chloro-N-[5-[[cyclohexylmethyl]amino]-1,3,4-thiadiazol-2-yl]pentanamide
5-chloro-N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]pentanamide
N-[5-[[2-(1H-imidazol-4-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-2,4,6-triisopropylbenzamide
2-ethoxy-N-[5-[[2-(ethanesulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-1-naphthamide
(E)-3-(2-chlorophenyl)-N-[5-(neopentylamino)-1,3,4-thiadiazol-2-yl]2-propenamide
(E)-3-(2-chlorophenyl)-N-[5-[[2R]-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl]amino]-1,3,4-thiadiazol-2-yl]-2-propenamide
5-chloro-N-[5-[[4-fluorobenzyl]amino]-1,3,4-thiadiazol-2-yl]pentanamide
322 (E)-3-(2-chlorophenyl)-N-[5-[[2-(phenylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-2-propenamide
N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]4-methylbenzamide
N-[5-[[3-(1H-imidazol-1-yl)propyl]amino]-1,3,4-thiadiazol-2-yl]-4-iodobenzamide
5-chloro-N-[5-[[3-(2-oxo-1-pyrrolidiny]propyl]amino]-1,3,4-thiadiazol-2-yl]pentanamide
(E)-N-[5-[[4-fluorobenzyl]amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide
2-methoxy-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]pentanamide
328 N-(5-[(4-aminosulfonyl)phenethyl]amino)-1,3,4-thiadiazol-2-yl)-2-ethoxy-1-naphthalamide

329 (E)-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide

330 N-(5-[(2-[(1H-imidazol-4-yl)ethyl]amino)-1,3,4-thiadiazol-2-yl]-1-benzo thiophene-2-carboxamide

331 (E)-N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide

332 N-(5-[(2-acetylamino)ethyl]amino)-1,3,4-thiadiazol-2-yl)-2,4,6-trisopropyl benzamide

333 (E)-N-[5-[(3,4-dichlorobenzyl)amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide

334 2-methoxy-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl] benzamide

335 N-(5-[(4-aminosulfonyl)phenethyl]amino)-1,3,4-thiadiazol-2-yl)-4-cyanobenzamide

336 (E)-N-[5-[(4-aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl)-9-octadecanamide

337 3-nitro-N-(5-[(2-thienyl)ethyl]amino)-1,3,4-thiadiazol-2-yl] benzamide

338 tert-butyl 3-[(5-[(2,6-dichlorobenzyl)amino]-1,3,4-thiadiazol-2-yl]amino)propanoate

339 N-[5-[(2-anilinoethyl)amino]-1,3,4-thiadiazol-2-yl]-4-iodobenzamide

340 tert-butyl 3-[(5-[(1,3-dioxo-1,3-dihydro-2-benzofuran-5-yl)carbonyl]amino]-1,3,4-thiadiazol-2-yl]amino)propanoate

341 N-[5-[(2-furylmethyl)amino]-1,3,4-thiadiazol-2-yl]-4-iodobenzamide

342 (E)-3-phenyl-N-[5-[(undecylamino)-1,3,4-thiadiazol-2-yl]-2-propenamide

343 N-[5-[(1,2,3,4-tetrahydro-1-naphthalenylamino)-1,3,4-thiadiazol-2-yl]-1-benzo thiophene-2-carboxamide

344 ethyl 4-[(5-[[E]-3-(2-chlorophenyl)-2-propenoyl]amino]-1,3,4-thiadiazol-2-yl]amino)tetrahydro-1(2H)-pyridinecarboxylate

-36-
345 4-cyano-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]benzamide 350 30.9
346 5-chloro-N-[5-[(2-(1H-indol-3-yl)ethyl)amino]-1,3,4-thiadiazol-2-yl]pentanamide 378 30.7
347 3-nitro-N-[5-(1,2,3,4-tetrahydro-1-naphthalenylamino)-1,3,4-thiadiazol-2-yl]benzamide 396 30.6
348 N-[5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl]2-methoxybenzamide 359 30.4
349 N-[5-[(2-furylmethyl)amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide 357 30.3
350 N-[5-[(3,4-dichlorobenzyl)amino]-1,3,4-thiadiazol-2-yl]-5-nitro-2-furamide 414 30.3
351 4-bromo-N-[5-[(2-(1H-indol-3-yl)ethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide 444 30.3
352 (E)-3-(2-chlorophenyl)-N-[5-[(4-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2-propenamide 372 30.2
353 (E)-3-(2-chlorophenyl)-N-[5-(cyclopropylamino)-1,3,4-thiadiazol-2-yl]-2-propenamide 321 30.2
354 5-chloro-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]pentanamide 339 29.9
355 N-[5-(2,3-dihydro-1H-inden-1-ylamino)-1,3,4-thiadiazol-2-yl]-3-nitrobenzamide 382 29.8
356 4-methyl-N-[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]benzamide 367 29.6
357 (E)-3-(2-chlorophenyl)-N-[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]-2-propenamide 29.4
358 N-[5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2,4,6-triisopropylbenzamide 481 29.3
359 4-methyl-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]benzamide 339 29.1
360 (E)-N-[5-(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide 343 29.0
361 N-[5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide 385 28.8
362 3,5-difluoro-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide 397 28.8
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<th>No.</th>
<th>Chemical Structure</th>
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<td>363</td>
<td>2,4-difluoro-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide</td>
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<td>364</td>
<td>4-cyano-N-[5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide</td>
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<td>365</td>
<td>4-cyano-N-[5-[(2-thienylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide</td>
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<td>366</td>
<td>N-[5-[(4-aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl]-2-methoxybenzamide</td>
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<td>367</td>
<td>N-[5-[(1-benzyl-4-piperidinyl)amino]-1,3,4-thiadiazol-2-yl]-4-iodobenzamide</td>
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<td>368</td>
<td>ethyl 4-[(5-[(1-benzothiophen-2-ylcarbonyl)amino]-1,3,4-thiadiazol-2-yl]amino]tetrahydro-1(2H)-pyridinecarboxylate</td>
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<td>2,6-dichloro-N-[5-(cycloheptylamino)]-1,3,4-thiadiazol-2-yl]benzamide</td>
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<td>370</td>
<td>2,6-dichloro-N-[5-[(2-(1-pyrrolidinyl)ethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide</td>
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<td>371</td>
<td>4-[(5-[(3-2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]amino]carbonylbenzenesulfonyl fluoride</td>
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<td>372</td>
<td>N-[5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl]-3,5-difluorobenzamide</td>
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<td>373</td>
<td>3,5-difluoro-N-[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]benzamide</td>
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<td>374</td>
<td>(E)-3-(2-chlorophenyl)-N-[5-(1,2,3,4-tetrahydro-1-naphthalenylamino)]-1,3,4-thiadiazol-2-yl]-2-propenamide</td>
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<td>3,4-dichloro-N-[5-(undecylamino)]-1,3,4-thiadiazol-2-yl]benzamide</td>
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<td>N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-4-(trifluoromethyl)benzamide</td>
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<td>(E)-N-[5-[(3-(1H-imidazol-1-yl)propyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide</td>
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<td>379</td>
<td>(E)-N-[5-[(2-anilinoethyl)amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide</td>
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<td>380</td>
<td>N-[5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide</td>
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<td>Number</td>
<td>Chemical Structure</td>
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<td>381</td>
<td>(2,4,6)-trisopropyl-N-(5-(3-(2-oxo-1-pyrrolidinyl)propylamino)-1,3,4-thiadiazol-2-yl)benzamide</td>
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<td>382</td>
<td>5-chloro-N-{5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl}pentanamide</td>
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<td>383</td>
<td>N-{5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl}2-methoxybenzamide</td>
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<td>384</td>
<td>3,4-dichloro-N-{5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl}benzamide</td>
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<td>4-bromo-N-{5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl}benzamide</td>
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<td>4-bromo-N-{5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl}benzamide</td>
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<td>N-{5-[(3-cyclohexylamino)propylamino]-1,3,4-thiadiazol-2-yl}2-methoxybenzamide</td>
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<td>388</td>
<td>tert-butyl 3-[(5-[(2,4,6-trisopropylbenzoyl)amino]-1,3,4-thiadiazol-2-yl)amino]propanoate</td>
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<td>389</td>
<td>N-{5-[(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl]amino]-1,3,4-thiadiazol-2-yl}-3,5-difluorobenzamide</td>
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<td>N-{5-[(4-aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl}5-chloropentanamide</td>
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<td>391</td>
<td>(E)-N-{5-[(2-H-imidazol-4-yl)ethylamino]-1,3,4-thiadiazol-2-yl}9-octadecenamide</td>
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<td>2,6-dichloro-N-{5-(neopentylamino)-1,3,4-thiadiazol-2-yl}benzamide</td>
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<td>393</td>
<td>N-{5-[(2-anilinoethyl)amino]-1,3,4-thiadiazol-2-yl}4-methylbenzamide</td>
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<td>394</td>
<td>N-{5-[(2-anilinoethyl)amino]-1,3,4-thiadiazol-2-yl}2-methoxybenzamide</td>
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<td>395</td>
<td>4-methyl-N-{5-[(3-2-oxo-1-pyrrolidinyl)propylamino]-1,3,4-thiadiazol-2-yl}benzamide</td>
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<td>2,4,6-trisopropyl-N-{5-[(2-(2-thienyl)ethyl]amino]-1,3,4-thiadiazol-2-yl}benzamide</td>
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<td>(E)-3-(2-chlorophenyl)-N-{5-[(2-(1-pyrrolidinyl)ethyl]amino]-1,3,4-thiadiazol-2-yl}2-propenamide</td>
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<td>N-{5-[(4-aminosulfonyl)benzyl]amino]-1,3,4-}</td>
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</table>
thiadiazol-2-yl)-4-(trifluoromethyl)benzamide

399 2,4,6-triisopropyl-N-[5-[3-pyridinylmethyl]amino]-1,3,4-
thiadiazol-2-yl]benzamide

(E)-N-(5-[2-(acetylamino)ethyl]amino)-1,3,4-thiadiazol-2-
yl)-3-phenyl-2-propenamide

N-(5-[4-fluorobenzyl]amino)-1,3,4-thiadiazol-2-yl)-2,4,6-
triisopropylbenzamide

402 4-iodo-N-[5-[(1-naphthylmethyl)amino]-1,3,4-
thiadiazol-2-yl]benzamide

403 N-[5-[(2R,6,6-dimethylbicyclo[3.1.1]hept-2-yl)methyl]-
amino]-1,3,4-thiadiazol-2-yl]-1-benzo thiophene-2-carboxamide

N-(5-[2,3-dihydro-1H-inden-1-ylamino]-1,3,4-thiadiazol-2-
yl)-5-nitro-2-furamide

N-[5-[(tetrahydro-2-furanylmethyl)amino]-1,3,4-
thiadiazol-2-yl]-1-benzo thiophene-2-carboxamide

N-[5-[2(ethylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-
yl]-4-(trifluoromethyl)benzamide

tert-butyl 3-[5-[4-(trifluoromethyl)benzoyl]amino]-1,3,4-
thiadiazol-2-yl]amino]propanoate

N-[5-[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-3,4-
dichlorobenzamide

N-[5-[2-cyclohexylmethyl]amino]-1,3,4-thiadiazol-2-yl]-2,4,6-
triisopropylbenzamide

N-(5-[undecylamino]-1,3,4-thiadiazol-2-yl]benzamide

3-nitro-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]benzamide

3-nitro-N-[5-(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-
yl]benzamide

N-[5-[1,3-benzodioxol-5-ylmethyl]amino]-1,3,4-
thiadiazol-2-yl]-2-methoxy benzamide

4-iodo-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]benzamide

N-[5-[3,4-dichlorobenzyl]amino]-1,3,4-thiadiazol-2-yl]-2,4-
difluorobenzamide
417 3,4-dichloro-N-[5-[(3-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide
418 3,4-dichloro-N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]benzamide
419 4-bromo-N-[5-[(3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
420 tert-butyl 3-[[5-[3,4-dichlorobenzoyl]amino]-1,3,4-thiadiazol-2-yl]amino)propanoate
421 (E)-3-phenyl-N-[5-[(3-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2-propenamide
422 (E)-3-(2-chlorophenyl)-N-(5-[3-(4-methylpiperazino)propyl]amino)-1,3,4-thiadiazol-2-yl)-2-propenamide
423 2,4-difluoro-N-[5-[4-fluorobenzyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
424 2,4-difluoro-N-[5-[(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
425 tert-butyl 3-[[5-[[E]-3-(2-chlorophenyl)-2-propenoyl]-amino]-1,3,4-thiadiazol-2-yl]amino)propanoate
426 2,4-difluoro-N-[5-[3-(2-oxo-1-pyrrolidinyl)propyl]-amino]-1,3,4-thiadiazol-2-yl]benzamide
427 2,4-difluoro-N-[5-[(1,2,3,4-tetrahydro-1-naphthalenylamino)-1,3,4-thiadiazol-2-yl]benzamide
428 2-methoxy-N-[5-(1,2,3,4-tetrahydro-1-naphthalenylamino)-1,3,4-thiadiazol-2-yl]benzamide
429 2-methoxy-N-[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]benzamide
430 4-iodo-N-[5-[(2-(2-thienyl)ethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide
431 N-[5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide
432 (E)-3-phenyl-N-[5-[2-(1-pyrrolidinyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-2-propenamide
433 N-[5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2,4-difluorobenzamide
434 N-[5-[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-4-bromobenzamide
N-{5-[(2-cyanoethyl)amino]-1,3,4-thiadiazol-2-yl}-2,4,6-triisopropylbenzamide
N-{5-[(3,4-dimethoxybenzyl)amino]-1,3,4-thiadiazol-2-yl}-3-nitrobenzamide
3,5-difluoro-N-{5-(phenethylamino)-1,3,4-thiadiazol-2-yl}benzamide
N-{5-[(2-anilinoethyl)amino]-1,3,4-thiadiazol-2-yl}-2,6-dichlorobenzamide
(E)-3-(2-chlorophenyl)-N-{5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl}-2-propenamide
N-{5-[(2-furylmethyl)amino]-1,3,4-thiadiazol-2-yl}-2,4,6-triisopropylbenzamide
(E)-3-(2-chlorophenyl)-N-{5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl}-2-propenamide
N-{5-[(2-(dimethylamino)ethyl)amino]-1,3,4-thiadiazol-2-yl}-2,4,6-triisopropylbenzamide
2,4,6-triisopropyl-N-{5-(undecylamino)-1,3,4-thiadiazol-2-yl}benzamide
N-{5-[(2-furylethyl)amino]-1,3,4-thiadiazol-2-yl}-2,4,6-triisopropylbenzamide
N-{5-[(2-(2-tolylethyl)amino]-1,3,4-thiadiazol-2-yl]-4-(trifluoromethyl)benzamide
3,4-dichloro-N-{5-[(2-(ethylsulfanyl)ethyl)amino]-1,3,4-thiadiazol-2-yl}benzamide
N-{5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl}benzamide
2-ethoxy-N-{5-[(tetrahydro-2-furanylmethyl)amino]-1,3,4-thiadiazol-2-yl}-1-naphthamide
3,5-difluoro-N-{5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl}benzamide
N-{5-[(3,4-dichlorobenzyl)amino]-1,3,4-thiadiazol-2-yl}benzamide
yl)-2-methoxybenzamide
453 N-{5-[(2-morpholinoethyl)amino]-1,3,4-thiadiazol-2-yl}-1-benzo thiophene-2-carboxamide
454 N-(5-[(2-(1H-imidazol-4-yl)ethyl)amino]-1,3,4-thiadiazol-2-yl)-4-iodobenzamide
5 441 21.2
455 N-{5-[(1-benzyl-4-piperidinyl)amino]-1,3,4-thiadiazol-2-yl}-4-bromobenzamide
456 N-{5-[(1-benzyl-4-piperidinyl)amino]-1,3,4-thiadiazol-2-yl}-5-nitro-2-furamide
472 20.8
457 4-methyl-N-{5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide
375 20.7
458 3,5-difluoro-N-{5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
400 20.7
459 N-[5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl]-4-iodobenzamide
481 20.7
460 4-[[5-[(1-benzyl-4-piperidinyl)amino]-1,3,4-thiadiazol-2-yl]amino]carbonylbenzenesulfonyl fluoride
476 20.7
461 3,4-dichloro-N-{5-[(2-ethylhexyl)amino]-1,3,4-thiadiazol-2-yl]benzamide
401 20.6
20 462 N-{5-[(3,4-dichlorobenzyl)amino]-1,3,4-thiadiazol-2-yl]-3-nitrobenzamide
359 20.3
463 N-(5-[[2-(acetylamidno)ethyl]amino]-1,3,4-thiadiazol-2-yl)-2-ethoxy-1-naphthamide
400 20.3
464 4-cyano-N-{5-[(2-morpholinoethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide
359 20.3
25 465 (E)-N-[5-(cyclopropylamino)-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide
287 20.2
466 N-{5-[[2-(ethylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-1-benzo thiophene-2-carboxamide
365 20.1
30 467 4-iodo-N-{5-[(3-(4-methylpiperazino)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide
487 20.1
468 3,5-difluoro-N-{5-[[1,2,3,4-tetrahydro-1-naphthalenyl]amino]-1,3,4 thia diazol-2-yl]benzamide
387 20.1
469 N-{5-[(2-morpholinoethyl)amino]-1,3,4-thiadiazol-2-yl]-3-nitrobenzamide
379 20.1
35 470 N-{5-[(cyclopropylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2-methoxybenzamide
409 21.3
yl]-4-iodobenzamide

471 N-[5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl]-4-cyanobenzamide

472 4-[[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]amino]-carbonyl]benzenesulfonyl fluoride
WE CLAIM:

1. A compound of formula I

or pharmaceutically acceptable salts thereof wherein:

Y is

- a) -NHR₂, or
- b) 

X is

- a) -O-, 
- b) -S(=O)ₓ-, 
- c) -CHₓ-, or 
- d) -NRₓ--; 

Rₓ is

- a) C₁₈ alkyl, 
- b) -(CH₂)ₓ-C₇ cycloalkyl, 
- c) -(CH₂)ₓ-bicycloalkyl, 
- d) -(CH₂)ₓ-M, 
- e) -(CH₂)ₓ-W, 
- f) -(CH₂)ₓaryl, wherein aryl may be substituted with one to three R₃, 
- g) -(CH₂)ₓ-het, wherein het may be substituted with one to three R₃, 
- h) -(CH₂)ₓ-Q, wherein Q may be substituted with one to three R₃, or 

R₂ is

- a) H, 
- b) C₁₄ alkyl, 
- c) -(=O)C₁₄ alkyl, 
- d) -(=O)C₁₄ alkyl, 
- e) -C₀₂C₁₄ alkyl, or 
- f) -C₀₂CH₂phenyl; 

R₃ is

- a) halo,
b) C_{1-4} alkyl,
c) C_{1-4} alkoxy,
d) benzyl,
e) -CN,
f) -SO_2F,
g) -SO_2NH_2,
h) -CF_3,
i) -NO_2,
j) -OCH_2O-,
k) -CO_2(C_{1-4} alkyl),
l) -C(=O)C_{1-4} alkyl,
m) -C(=O)NH_2,
N) -NHCO_2(C_{1-4} alkyl), or
o) -C(=O)O-C(=O)-;

M is
a) -CN,
b) halo,
c) -CO_2C_{1-4} alkyl,
d) -CH(phenyl)_2,

e) 

f)

W is
a) -OR_4,
b) -SR_4,
c) -NHR_5, or
d) -NR_5R_7;

R_4 is
a) C_{1-4} alkyl,
b) C_{3-7} cycloalkyl, or
c) aryl;

R_5 is
a) C_{1-4} alkyl,
b) C_{3-7} cycloalkyl,
c) aryl, or
d) \(-\text{C}(=\text{O})\text{C}_{1-4}\) alkyl;

\(R_6\) and \(R_7\) are independently

a) \(\text{C}_{1-4}\) alkyl, or

b) \(R_6\) and \(R_7\) together with nitrogen form a 4- to 6-membered saturated heterocyclic moiety having one to two atoms selected from the group consisting of oxygen, nitrogen, and sulfur;

\(R_x\) is

a) \(\text{C}_{1-12}\) alkyl,

b) \(\text{C}_{2-18}\) alkenyl,

c) \(\text{C}_{2-18}\) alkynyl,

d) \(\text{C}_{2-6}\) alkyl substituted with one to three halo, \(\text{C}_{1-2}\) alkoxy, -OH, -SH, or -\(\text{CO}_2\)H,

e) \(\text{C}_{2-6}\) alkenyl substituted with aryl, wherein the aryl may be in turn substituted with one to three \(R_2\),

f) \((\text{CH}_2)_n\) aryl, wherein aryl may be substituted with one to three \(R_3\),

g) \((\text{CH}_2)_n\) \(\text{U}\), wherein het may be substituted with one to three \(R_4\), or

h) \((\text{CH}_2)_n\) \(\text{U}\), wherein \(\text{Q}\) may be substituted with one to three \(R_3\),

aryl is phenyl or naphthyl;

het is 5- to 10-membered unsaturated heterocyclic moiety having one to three atoms selected from the group consisting of oxygen, nitrogen, and sulfur;

\(U\) is 5- to 9-membered unsaturated heterocyclic moiety having one to three atoms selected from the group consisting of oxygen, nitrogen, and sulfur;

\(Q\) is 5- or 6-membered saturated heterocyclic moiety having one to two atoms selected from the group consisting of oxygen, nitrogen, and sulfur, wherein nitrogen atom may be in turn substituted with \(\text{C}_{1-4}\) alkyl, phenyl, benzyl, \(-\text{C}(=\text{O})\text{C}_{1-4}\) alkyl, or \(-\text{CO}_2\text{C}_{1-4}\) alkyl;

\(h\) is 0, 1, or 2;

\(i\) is 0, 1, 2, 3, or 4;

\(j\) is 2, 3, or 4;

\(k\) is 0, 1, 2, 3, 4, 5, or 6;

and with the following provisos:

a) where \(R_5\) is phenyl or 4-methoxyphenyl, \(R_4\) is other than phenyl, 4-methoxyphenyl, or 4-chlorophenyl;

b) where \(R_5\) is \(-\text{CH}_2\)phenyl, \(R_4\) is other than phenyl or \(-\text{CH}_2\)phenyl;

c) where \(R_5\) is \(\text{H}\), substituted or unsubstituted alkyl or phenyl, \(R_4\) is other than unsubstituted alkyl or phenyl.

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2. A compound of claim 1 wherein X is
   a) -O-, or
   b) -NR$_2$;
R$_5$ is
   a) H,
   b) -CO$_2$C$_{1-4}$ alkyl, or
   c) -CO$_2$CH$_3$ phenyl.

3. A compound of claim 1 wherein R$_1$ is
   a) C$_{4-12}$ alkyl,
   b) -(CH$_2$)$_i$-C$_{3-7}$ cycloalkyl,
   c) 6,6-dimethylbicyclo[3.1.1]2-heptyl,
   d) -(CH$_2$)$_i$-M,
   e) -(CH$_2$)$_i$-W,
   f) -(CH$_2$)$_i$ aryl, wherein aryl may be substituted with one to three R$_3$;
   g) -(CH$_2$)$_i$-het, wherein het may be substituted with one to three R$_3$,
   h) -(CH$_2$)$_i$-Q, wherein Q may be substituted with one to three R$_3$, or
wherein M, aryl, R$_3$, i, j, and k are the same as defined in claim 1;
   W is
   a) -OR$_4$,
   b) -SR$_4$,
   c) -NHR$_5$, or
   d) -NR$_5$R$_7$;
R$_4$ and R$_5$ are the same as defined in claim 1;

25 R$_6$ and R$_7$ are independently
   a) methyl, or
   b) R$_6$ and R$_7$ together with nitrogen form azetidinyl, pyrrolidinyl,
     piperdinyl, piperazinyl, 4-methyl-1-piperazinyl, hydantoin, 4-
     morpholinyi, thiomorpholinyi, or 2-oxo-1-pyrrolidinyl;

30 het is
   a) furyl, thietyl, pyrrolyl, pyrazolyl, imidazolyl, oxazolyl, isoxazolyl,
     thiazolyl, isothiazolyl;
   b) pyridyl, pyrimidinyl, pyridazinyl, pyrazinyl, pyranyl;
   c) indazolyl, benzothiazolyl, benzoimidazolyl, benzofuryl, isobenzofuryl;
   d) quinolyl, isoquinolyl, quinazolinyl, quinoxalinyl, phthalazinyl or
cinnolinyl;

and Q is

a) 2-, 3-, or 4-piperidinyl,
b) 1-, or 2-pyrrolidinyl,

wherein the nitrogen atom in a) and b) may be substituted with C<sub>1-4</sub> alkyl, phenyl, benzyl, or -C(=O)C<sub>1-4</sub> alkyl,

c) morpholinyl,
d) thiomorpholinyl,
e) dioxolanyl,

f) imidazolidinyl,
g) oxathiolanyl,
h) oxazolidinyl,
i) tetrahydrofuranyl, or
j) 2-oxo-1-pyrrolidinyl.

4. A compound of claim 3 wherein het is furyl, thienyl, pyrrolyl, imidazolyl, pyrazolyl, isoaxazolyl, pyridyl, benzothienyl, or indolyl.

5. A compound of claim 3 wherein Q is 1-methyl-2-pyrrolidinyl, 1-methyl-4-piperidinyl, 1-ethylcarboxylate-4-piperidinyl, 1-benzyl-4-piperidinyl, or tetrahydrofuranyl.

6. A compound of claim 1 wherein R<sub>5</sub> is

a) chloro,
b) fluoro,
c) methyl,
d) methoxy,
e) ethoxy,
f) CN,
g) SO<sub>2</sub>NH<sub>2</sub>,
h) NO<sub>2</sub>,
i) OCH<sub>3</sub>O-, or
j) C(=O)-O-C(=O)-.

7. A compound of claim 1 wherein Rx is

a) C<sub>2-18</sub> alkenyl,
b) \( C_{2,6} \) alkyl substituted with halo, or -CO\(_2\)H,
c) \( C_{2,6} \) alkenyl substituted with aryl, wherein the aryl may be in turn substituted with one to three halo,
d) -(CH\(_2\))\(_n\) aryl, wherein aryl may be substituted with one to three R\(_3\), or
e) -(CH\(_2\))\(_n\)-U, wherein U may be substituted with one to three R\(_3\);

aryl and i are the same as defined in claim 1; R\(_3\) is the same as defined in claim 6; and

U is

a) furyl, thienyl, pyrrolyl, pyrazolyl, imidazolyl, oxazolyl, isoxazolyl, thiazolyl or isothiazolyl;
b) pyridyl, pyrimidinyl, pyridazinyl, pyrazinyl or pyranyl; or
c) indazolyl, benzothiazolyl, benzimidazolyl, benzofuranyl, isobenzofuranyl, benzothiazole, benzoisoxazole, benzothienyl, indolyl or isoindolyl.

8. A compound of claim 1 which is

4-methyl-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]benzamide,
5-chloro-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]pentanamide,
4-cyano-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]benzamide,
3-nitro-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]benzamide,
3,5-difluoro-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]benzamide,
(E)-3-(2-chlorophenyl)-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]-2-propenamide,
2-ethoxy-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]-1-naphthamide,
(E)-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
2,6-dichloro-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]benzamide,
3,4-dichloro-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]benzamide,
(E)-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide,
4-iodo-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]benzamide,
1,3-dioxo-N-[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide,
4-(((5-(phenethylamino)-1,3,4-thiadiazol-2-yl)amino)carbonyl)benzenesulfon fluoride,
5-nitro-N[5-(phenethylamino)-1,3,4-thiadiazol-2-yl]-2-furamide,
(E)-3-(2-chlorophenyl)-N-[5-[(2-furylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2-propanamide,
2-ethoxy-N-[5-[(2-furylmethyl)amino]-1,3,4-thiadiazol-2-yl]-1-naphthamide,
(E)-N-[5-[(2-furylmethyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
2,6-dichloro-N-[5-[(2-furylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
3,4-dichloro-N-[5-[(2-furylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
N-[5-[(2-furylmethyl)amino]-1,3,4-thiadiazol-2-yl]-4-iodobenzamide,
N-[5-[(2-furylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2,4,6-triisopropylbenzamide,
N-[5-[(2-furylmethyl)amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide,
2,4-difluoro-N-[5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,
4-bromo-N-[5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,
4-methyl-N-[5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,
5-chloro-N-[5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]pentanamide,
4-cyano-N-[5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,
3-nitro-N-[5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,
3,5-difluoro-N-[5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,
(E)-3-(2-chlorophenyl)-N-[5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]-2-propenamide,
3,4-dichloro-N-[5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,
(E)-N-[5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide,
4-ido-N-[5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,
1,3-dioxo-N-[5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]1,3-
dihydro-2-benzofuran-5-carboxamide,
4-[[5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-
yl]amino]carbonyl]benzenesulfonyl fluoride,
2,4,6-triisopropyl-N-[5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-
2-yl]benzamide, 
5-nitro-N-[5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]-2-
furamide,
N-[5-[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]-1,3,4-thiadiazol-2-yl]-1-
benzothiophene-2-carboxamide,
(E)-3-(2-chlorophenyl)-N-[5-[[2-pyrindinylmethyl]amino]-1,3,4-thiadiazol-2-yl]-2-
propenamide,
2-ethoxy-N-[5-[[2-pyrindinylmethyl]amino]-1,3,4-thiadiazol-2-yl]-1-naphthamide,
(E)-N-[5-[[2-pyrindinylmethyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
2,6-dichloro-N-[5-[[2-pyrindinylmethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,
(E)-3-phenyl-N-[5-[[2-pyrindinylmethyl]amino]-1,3,4-thiadiazol-2-yl]-2-
propenamide,
N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-2-methoxybenzamide,
N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-4-bromobenzamide,
N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-4-methylbenzamide,
N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-3-nitrobenzamide,
(E)-N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-3-(2-chlorophenyl)-2-
propenamide,
N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide,
(E)-N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-2,6-dichlorobenzamide,
N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-3,4-dichlorobenzamide,
(E)-N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide,
N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-4-iodobenzamide,
N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-
benzofuran-5-carboxamide,
4-[[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]amino]carbonyl]
benzenesulfonyl fluoride,
N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-2,4,6-triisopropylbenzamide,
N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-5-nitro-2-furamide,
N-[5-[[2-anilinoethyl]amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-
carboxamide,
N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-2-methoxybenzamide,
4-bromo-N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
5-chloro-N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)pentanamide,
4-cyano-N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-3-nitrobenzamide,
3,5-difluoro-N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
(E)-3-(2-chlorophenyl)-N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-2-propenamide,
2-ethoxy-N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-1-naphthamide,
(E)-N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-9-octadecenamide,
2,6-dichloro-N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
3,4-dichloro-N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-4-(trifluoromethyl)benzamide,
(E)-N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-3-phenyl-2-propenamide,
N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-4-iodobenzamide,
N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
4-[[5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]amino]carbonyl benzenesulfonyl fluoride,
N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-2,4,6-trisopropylbenzamide,
N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-5-nitro-2-furamid,
N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-1-benzothiophene-2-carboxamide,
N-(5-[[cycloheptylamino]-1,3,4-thiadiazol-2-yl]-2-methoxybenzamide,
N-(5-[[cycloheptylamino]-1,3,4-thiadiazol-2-yl]-4-methylbenzamide,
5-chloro-N-(5-[[cycloheptylamino]-1,3,4-thiadiazol-2-yl]pentanamide,
4-cyano-N-(5-[[cycloheptylamino]-1,3,4-thiadiazol-2-yl]benzamide,
N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-3-nitrobenzamide,
N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-3,5-difluorobenzamide,
(E)-3-(2-chlorophenyl)-N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-2-propenamide,
N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide,
(E)-N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
2,6-dichloro-N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]benzamide,
3,4-dichloro-N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]benzamide,
(E)-N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide,
N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-4-iodobenzamide,
N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
4-((5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl)amino)carbonyl)benzenesulfonyle fluoride,
N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-2,4,6-trisisopropylbenzamide,
N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-5-nitro-2-furamide,
N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide,
N-[5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2,4-difluorobenzamide,
N-[5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2-methoxybenzamide,
N-[5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]-4-methybenzamide,
5-chloro-N-[5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]pentanamide,
4-cyano-N-[5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
(E)-3-(2-chlorophenyl)-N-[5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2-propenamide,
N-[5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide,
(E)-N-[5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
3,4-dichloro-N-[5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
(E)-N-[5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide,
N-[5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
N-[5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2,4,6-trisisopropyl benzamide,
N-[5-[(cyclohexylmethyl)amino]-1,3,4-thiadiazol-2-yl]-5-nitro-2-furamide,
N-[5-[[2R]-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl]amino]-1,3,4-thiadiazol-
2-yl)-2-methoxybenzamide,
5-chloro-N-[5-([(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl)amino]-1,3,4-thiadiazol-2-yl)pentanamide,
4-cyano-N-[5-([(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
N-[5-([(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl)amino]-1,3,4-thiadiazol-2-yl]-3,5-difluorobenzamide,
(E)-3-(2-chlorophenyl)-N-[5-([(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl)amino]-1,3,4-thiadiazol-2-yl]-2-propenamide,
N-[5-([(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl)amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide,
(E)-N-[5-([(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
N-[5-([(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl)amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
N-[5-([(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl)amino]-1,3,4-thiadiazol-2-yl]-2,4,6-trisopropylbenzamide,
N-[5-([(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl)amino]-1,3,4-thiadiazol-2-yl]-5-nitro-2-furamide,
N-[5-([(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl)amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide,
(E)-3-(2-chlorophenyl)-N-(5-[(2-(1-pyrrolidinyl)ethyl)amino]-1,3,4-thiadiazol-2-yl)-2-propenamide,
(E)-N-(5-[(2-(1-pyrrolidinyl)ethyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
2,6-dichloro-N-(5-[(2-(1-pyrrolidinyl)ethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
(E)-3-phenyl-N-(5-[(2-(1-pyrrolidinyl)ethyl)amino]-1,3,4-thiadiazol-2-yl)-2-propenamide,
2,4,6-trisopropyl-N-(5-[(2-(1-pyrrolidinyl)ethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
2-ethoxy-N-(5-[(tetrahydro-2-furanyl)methyl]amino]-1,3,4-thiadiazol-2-yl]-1-naphthamide,
(E)-N-(5-[(tetrahydro-2-furanyl)methyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
N-[5-[(tetrahydro-2-furanyl)methyl]amino]-1,3,4-thiadiazol-2-yl]-1-
benzothiophene-2-carboxamide,
(E)-3-(2-chlorophenyl)-N-{5-[(4-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl}-2-
propenamide,
2,6-dichloro-N-{5-[(4-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
3,4-dichloro-N-{5-[(4-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
(E)-3-phenyl-N-{5-[(4-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl}-2-
propenamide,
4-iodo-N-{5-[(4-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
1,3-dioxo-N-{5-[(4-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl}-1,3-dihydro-2-
benzofuran-5-carboxamide,
2,4,6-trisopropyl-N-{5-[(4-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-
yl}benzamide,
N-{5-[(4-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl}-1-benzothiophene-2-
carboxamide,
N-{5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl}-2,4-
difluorobenzamide,
N-{5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl}-2-
methoxybenzamide,
N-{5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl}-4-
bromobenzamide,
N-{5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl}-4-
methylbenzamide,
N-{5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl}-5-
chloropentanamide,
N-{5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl}-4-
cyanobenzamide,
N-{5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl}-3,5-
difluorobenzamide,
(E)-N-{5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl}-3-(2-
chlorophenyl)-2-propenamide,
N-{5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl}-2-ethoxy-1-
naphthamide,
(E)-N-{5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl}-9-
octadecenamide,
N-{5-[(1,3-benzodioxol-5-ylmethyl)amino]-1,3,4-thiadiazol-2-yl}-2,6-
dichlorobenzamide,
(E)-N-[5-((1,3-benzodioxol-5-ylmethyl)amino)-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide,
N-[5-((1,3-benzodioxol-5-ylmethyl)amino)-1,3,4-thiadiazol-2-yl]-4-iodobenzamide,
N-[5-((1,3-benzodioxol-5-ylmethyl)amino)-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
N-[5-((1,3-benzodioxol-5-ylmethyl)amino)-1,3,4-thiadiazol-2-yl]-2,4,6-triisopropylbenzamide,
N-[5-((1,3-benzodioxol-5-ylmethyl)amino)-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide,
4-cyano-N-[5-[(2-morpholinoethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
N-[5-[(2-morpholinoethyl)amino]-1,3,4-thiadiazol-2-yl]-3-nitrobenzamide,
(E)-N-[5-[(2-morpholinoethyl)amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide,
N-[5-[(2-morpholinoethyl)amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide,
2,4-difluoro-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
2-methoxy-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
4-methyl-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
5-chloro-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]pentanamide,
4-cyano-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]-3-nitrobenzamide,
3,5-difluoro-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
(E)-3-(2-chlorophenyl)-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]-2-propenamide,
2-ethoxy-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]-1-naphthamide,
(E)-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
2,6-dichloro-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
(E)-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide,
4-iodo-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
4-[[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]amino]carbonyl]benzenesulfonyl fluoride,
2,4,6-triisopropyl-N-[5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
N-{5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl}-5-nitro-2-furamide,
N-{5-[(1-naphthylmethyl)amino]-1,3,4-thiadiazol-2-yl}-1-benzothiophene-2-carboxamide,

2,4-difluoro-N-{5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
N-{5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl}-2-methoxybenzamide,
5-chloro-N-{5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl}pentanamide,
4-cyano-N-{5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
N-{5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl}-3-nitrobenzamide,
3,5-difluoro-N-{5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
(E)-3-(2-chlorophenyl)-N-{5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl}-2-propenamide,
2-ethoxy-N-{5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl}-1-naphthamide,
(E)-N-{5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl}-9-octadecenamide,
2,6-dichloro-N-{5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
(E)-N-{5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl}-3-phenyl-2-propenamide,
N-{5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl}-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
N-{5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl}-2,4,6-triisopropylbenzamide,
N-{5-[(4-fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl}-1-benzothiophene-2-carboxamide,
2-ethoxy-N-{5-[(3-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl}-1-naphthamide,
(E)-N-{5-[(3-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl}-9-octadecenamide,
2,6-dichloro-N-{5-[(3-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
3,4-dichloro-N-{5-[(3-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
(E)-3-phenyl-N-{5-[(3-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl}-2-propanamide,
2,4,6-triisopropyl-N-{5-[(3-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
N-{5-[(3-pyridinylmethyl)amino]-1,3,4-thiadiazol-2-yl}-1-benzothiophene-2-carboxamide,
2,4,6-triisopropyl-N-{5-[(2-piperidinoethyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
(E)-N-{5-[(2-ethylhexyl)amino]-1,3,4-thiadiazol-2-yl}-9-octadecenamide,
2,6-dichloro-N-{5-[(2-ethylhexyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
3,4-dichloro-N-{5-[(2-ethylhexyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
N-[(2-ethylhexyl)amino]-1,3,4-thiadiazol-2-yl)-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
N-(5-[(4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-y1)-2-methoxybenzamide,
N-[(4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl)-4-bromobenzamide,
N-[(4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl)-4-methylbenzamide,
N-[(4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl)-5-chloropentanamide,
N-[(4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl)-4-cyanobenzamide,
(E)-N-[(4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl)-3-(2-chlorophenyl)2-propenamide,
N-[(4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl)-2-ethoxy-1-naphthamide,
(E)-N-[(4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl)-9-octadecenamide,
N-[(4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl)-2,6-dichlorobenzamide,
N-[(4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl)-3,4-dichlorobenzamide,
N-[(4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl)-4-(trifluoromethyl)benzamide,
(E)-N-[(4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl)-3-phenyl-2-propenamide,
N-[(4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl)-4-iodobenzamide,
N-[(4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl)-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
N-[(4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl)-2,4,6-trisopropylbenzamide,
N-[(4-(aminosulfonyl)phenethyl]amino]-1,3,4-thiadiazol-2-yl)-1-benzothiophene-2-carboxamide,
N-[(3-cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-2,4-difluorobenzamide,
N-[(3-cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-2-
methoxybenzamide,
4-bromo-N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-4-methylbenzamide,
4-cyano-N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-3-nitrobenzamide,
N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-3,5-difluorobenzamide,
(E)-3-[[2-chlorophenyl]-N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-2-propenamide,
N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-2-ethoxy-1-naphthamide,
(E)-N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-9-octadecenamide,
2,6-dichloro-N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
3,4-dichloro-N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-4-(trifluoromethyl)benzamide,
(E)-N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-3-phenyl-2-propenamide,
N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-4-iodobenzamide,
N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
N-{5-[(3,4-dichlorobenzyl)amino]-1,3,4-thiadiazol-2-yl}-2-methoxybenzamide,
4-cyano-N-{5-[(3,4-dichlorobenzyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
N-{5-[(3,4-dichlorobenzyl)amino]-1,3,4-thiadiazol-2-yl}-3-nitrobenzamide,
N-{5-[(3,4-dichlorobenzyl)amino]-1,3,4-thiadiazol-2-yl}-2-ethoxy-1-naphthamide,
(E)-N-{5-[(3,4-dichlorobenzyl)amino]-1,3,4-thiadiazol-2-yl}-9-octadecenamide,
2,6-dichloro-N-{5-[(3,4-dichlorobenzyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
(E)-N-{5-[(3,4-dichlorobenzyl)amino]-1,3,4-thiadiazol-2-yl}-3-phenyl-2-propenamide,
N-{5-[(3,4-dichlorobenzyl)amino]-1,3,4-thiadiazol-2-yl}-1,3-dioxo-1,3-dihydro-2-
benzofuran-5-carboxamide,
N-{5-[(3,4-dichlorobenzyl)amino]-1,3,4-thiadiazol-2-yl}-5-nitro-2-furamide,
4-cyano-N-{5-[(3,4-dimethoxybenzyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
N-{5-[(3,4-dimethoxybenzyl)amino]-1,3,4-thiadiazol-2-yl}-3-nitrobenzamide,
N-{5-[(3,4-dimethoxybenzyl)amino]-1,3,4-thiadiazol-2-yl}-2-ethoxy-1-
naphthamide,
(E)-N-{5-[(3,4-dimethoxybenzyl)amino]-1,3,4-thiadiazol-2-yl}-9-octadecenamide,
2,6-dichloro-N-{5-[(3,4-dimethoxybenzyl)amino]-1,3,4-thiadiazol-2-
yl}benzamide,
N-{5-[(3,4-dimethoxybenzyl)amino]-1,3,4-thiadiazol-2-yl}-4-iodobenzamide,
N-{5-[(3,4-dimethoxybenzyl)amino]-1,3,4-thiadiazol-2-yl}-1,3-dioxo-1,3-dihydro-
2-benzofuran-5-carboxamide,
2,4-difluoro-N-{5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
2-methoxy-N-{5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
4-bromo-N-{5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
4-methyl-N-{5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
5-chloro-N-{5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl}pentanamide,
4-cyano-N-{5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
3-nitro-N-{5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
3,5-difluoro-N-{5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
(E)-3-(2-chlorophenyl)-N-{5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl}-2-
propenamide,
2-ethoxy-N-{5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl}-1-naphthamide,
(E)-N-{5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl}-9-octadecenamide,
2,6-dichloro-N-{5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
3,4-dichloro-N-{5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl}benzamide,
N-{5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl}-4-(trifluoromethyl)
benzamide,

(E)-3-phenyl-N-[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]-2-propenamide,
4-iodo-N-[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
1,3-dioxo-N-[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-
benzofuran-5-carboxamide,
4-[[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]amino]carbonyl
benzenesulfonyl fluoride,
2,4,6-triisopropyl-N-[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
5-nitro-N-[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]-2-furamide,
N-[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-
carboxamide,
N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]-2,4-difluorobenzamide,
N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]-2-methoxybenzamide,
4-bromo-N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
5-chloro-N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]pentanamide,
4-cyano-N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]-3,5-difluorobenzamide,
(E)-3-(2-chlorophenyl)-N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]-2-
propenamide,
N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide,
(E)-N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
2,6-dichloro-N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-
benzofuran-5-carboxamide,
4-[[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]amino]carbonyl
benzenesulfonyl fluoride,
N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]-2,4,6-triisopropyl
benzamide,
N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]-5-nitro-2-furamide,
N-[5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-
carboxamide,
2,4-difluoro-N-[5-((undecylamino)-1,3,4-thiadiazol-2-yl]benzamide,
4-bromo-N-[5-((undecylamino)-1,3,4-thiadiazol-2-yl]benzamide,
4-methyl-N-[5-((undecylamino)-1,3,4-thiadiazol-2-yl]benzamide,
5-chloro-N-[5-((undecylamino)-1,3,4-thiadiazol-2-yl]pentanamide,
4-cyano-N-[5-((undecylamino)-1,3,4-thiadiazol-2-yl]benzamide,
3-nitro-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]benzamide,
3,5-difluoro-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]benzamide
(E)-3-(2-chlorophenyl)-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]-2-propenamide,
2-ethoxy-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]-1-naphthamide,
(E)-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
2,6-dichloro-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]benzamide,
3,4-dichloro-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]benzamide,
4-(trifluoromethyl)-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]benzamide,
(E)-3-phenyl-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]-2-propenamide,
4ideo-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]benzamide,
1,3-dioxo-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide,
4-([(5-(undecylamino)-1,3,4-thiadiazol-2-yl)aminocarbonyl]benzenesulfonyl fluoride,
2,4,6-trisopropyl-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]benzamide,
5-nitro-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]-2-furamide,
N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide,
N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-2,4-difluorobenzamide,
N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-2-methoxybenzamide,
4-bromo-N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
5-chloro-N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]pentanamide,
4-cyano-N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-3-nitrobenzamide,
N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-3,5-difluorobenzamide,
(E)-3-(2-chlorophenyl)-N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-2-propenamide,
N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide,
(E)-N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
2,6-dichloro-N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]benzamide,
N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-4-(trifluoromethyl)
benzamide,
(E)-N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide,
N-[5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl]-4-iodobenzamide,
N-\{5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl\}-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
4-[(5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl)amino]carbonyl] benzenesulfonyl fluoride,
N-\{5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl\}-2,4,6-triisopropylbenzamidde,
N-\{5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl\}-5-nitro-2-furamide,
N-\{5-[(3,3-diphenylpropyl)amino]-1,3,4-thiadiazol-2-yl\}-1-benzothiophene-2-carboxamide,
2,4-difluoro-N-(5-[(2-(2-thienyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
4-cyano-N-(5-[(2-(2-thienyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
3-nitro-N-(5-[(2-(2-thienyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
(E)-3-(2-chlorophenyl)-N-(5-[(2-(2-thienyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-2-propenamide,
2-ethoxy-N-(5-[(2-(2-thienyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-1-naphthamide,
(E)-N-(5-[(2-(2-thienyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-9-octadecenamide,
2,6-dichloro-N-(5-[(2-(2-thienyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
(E)-3-phenyl-N-(5-[(2-(2-thienyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-2-propenamide,
4-iodo-N-(5-[(2-(2-thienyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
1,3-dioxo-N-(5-[(2-(2-thienyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-1,3-dihydro-2-benzofuran-5-carboxamide,
2,4,6-triisopropyl-N-(5-[(2-(2-thienyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
N-(5-[(2-(2-thienyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-1-benzothiophene-2-carboxamide,
(E)-N-(5-[(4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl)-3-(2-chlorophenyl)-2-propenamide,
N-(5-[(4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl)-2-ethoxy-1-naphthamide,
(E)-N-(5-[(4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl)-9-octadecenamide,
N-(5-[(4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl)-2,6-dichlorobenzamide,
N-(5-[(4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl)-3,4-dichlorobenzamide,
N-(5-{[4-(aminosulfonyl)benzyl]amino}-1,3,4-thiadiazol-2-yl)-4-(trifluoromethyl)benzamide,
(E)-N-(5-{[4-(aminosulfonyl)benzyl]amino}-1,3,4-thiadiazol-2-yl)-3-phenyl-2-propenamide,
N-(5-{[4-(aminosulfonyl)benzyl]amino}-1,3,4-thiadiazol-2-yl)-4-iodobenzamide,
N-(5-{[4-(aminosulfonyl)benzyl]amino}-1,3,4-thiadiazol-2-yl)-2,4,6-triisopropylbenzamide,
N-(5-{[4-(aminosulfonyl)benzyl]amino}-1,3,4-thiadiazol-2-yl)-1-benzothiophene-2-carboxamide,
(E)-3-(2-chlorophenyl)-N-(5-{[3-(4-methylpiperazino)propyl]amino}-1,3,4-thiadiazol-2-yl)-2-propenamide,
(E)-N-(5-{[3-(4-methylpiperazino)propyl]amino}-1,3,4-thiadiazol-2-yl)-9-octadecenamide,
4-iodo-N-(5-{[3-(4-methylpiperazino)propyl]amino}-1,3,4-thiadiazol-2-yl)benzamide,
(E)-N-(5-{[2-(cyanoethyl)amino]-1,3,4-thiadiazol-2-yl)-9-octadecenamide,
2,6-dichloro-N-(5-{[2-(cyanoethyl)amino]-1,3,4-thiadiazol-2-yl)benzamide,
N-(5-{[2-(cyanoethyl)amino]-1,3,4-thiadiazol-2-yl)-2,4,6-triisopropylbenzamide,
2,4-difluoro-N-(5-{[2-(phenylsulfanyl)ethyl]amino}-1,3,4-thiadiazol-2-yl)benzamide,
4-bromo-N-(5-{[2-(phenylsulfanyl)ethyl]amino}-1,3,4-thiadiazol-2-yl)benzamide,
5-chloro-N-(5-{[2-(phenylsulfanyl)ethyl]amino}-1,3,4-thiadiazol-2-yl)pentanamide,
(E)-3-(2-chlorophenyl)-N-(5-{[2-(phenylsulfanyl)ethyl]amino}-1,3,4-thiadiazol-2-yl)-2-propenamide,
2-ethoxy-N-(5-{[2-(phenylsulfanyl)ethyl]amino}-1,3,4-thiadiazol-2-yl)-1-naphthamide,
(E)-N-(5-{[2-(phenylsulfanyl)ethyl]amino}-1,3,4-thiadiazol-2-yl)-9-octadecenamide,
(E)-3-phenyl-N-(5-{[2-(phenylsulfanyl)ethyl]amino}-1,3,4-thiadiazol-2-yl)-2-propenamide,
4-iodo-N-(5-{[2-(phenylsulfanyl)ethyl]amino}-1,3,4-thiadiazol-2-yl)benzamide,
1,3-dioxo-N-(5-{[2-(phenylsulfanyl)ethyl]amino}-1,3,4-thiadiazol-2-yl)-1,3-dihydro-2-benzofuran-5-carboxamide,
4-cyano-N-(5-{[2-thienylmethyl]amino}-1,3,4-thiadiazol-2-yl)benzamide,
(E)-3-(2-chlorophenyl)-N-(5-{[2-thienylmethyl]amino}-1,3,4-thiadiazol-2-yl)-2-propenamide,
2-ethoxy-N-{5-{(2-thienylmethyl)amino}-1,3,4-thiadiazol-2-yl}-1-naphthamide,
(E)-N-{5-{(2-thienylmethyl)amino}-1,3,4-thiadiazol-2-yl}-9-octadecenamide,
2,6-dichloro-N-{5-{(2-thienylmethyl)amino}-1,3,4-thiadiazol-2-yl}benzamide,
4-iodo-N-{5-{(2-thienylmethyl)amino}-1,3,4-thiadiazol-2-yl}benzamide,
1,3-dioxo-N-{5-{(2-thienylmethyl)amino}-1,3,4-thiadiazol-2-yl}-1,3-dihydro-2-
benzofuran-5-carboxamide,
2,4,6-triisopropyl-N-{5-{(2-thienylmethyl)amino}-1,3,4-thiadiazol-2-
yl}benzamide,
N-{5-{(2-thienylmethyl)amino}-1,3,4-thiadiazol-2-yl}-1-benzothiophene-2-
carboxamide,
N-{5-{(2-acetylamino)ethyl}amino}-1,3,4-thiadiazol-2-yl}-2-ethoxy-1-
naphthamide,
(E)-N-{5-{(2-acetylamino)ethyl}amino}-1,3,4-thiadiazol-2-yl}-9-octadecenamide,
(E)-N-{5-{(2-acetylamino)ethyl}amino}-1,3,4-thiadiazol-2-yl}-3-phenyl-2-
propenamide,
N-{5-{(2-acetylamino)ethyl}amino}-1,3,4-thiadiazol-2-yl}-1,3-dioxo-1,3-dihydro-
2-benzofuran-5-carboxamide,
N-{5-{(2-acetylamino)ethyl}amino}-1,3,4-thiadiazol-2-yl}-2,4,6-
triisopropylbenzamide,
N-{5-{(2-acetylamino)ethyl}amino}-1,3,4-thiadiazol-2-yl}-1-benzothiophene-2-
carboxamide,
4-bromo-N-{5-{[3-(1H-imidazol-1-yl)propyl]amino}-1,3,4-thiadiazol-2-
yl}benzamide,
(E)-3-(2-chlorophenyl)-N-{5-{[3-(1H-imidazol-1-yl)propyl]amino}-1,3,4-
thiadiazol-2-yl}-2-propenamide,
2-ethoxy-N-{5-{[3-(1H-imidazol-1-yl)propyl]amino}-1,3,4-thiadiazol-2-yl}-1-
naphthamide,
(E)-N-{5-{[3-(1H-imidazol-1-yl)propyl]amino}-1,3,4-thiadiazol-2-yl}-9-
octadecenamide,
2,6-dichloro-N-{5-{[3-(1H-imidazol-1-yl)propyl]amino}-1,3,4-thiadiazol-2-
yl}benzamide,
3,4-dichloro-N-{5-{[3-(1H-imidazol-1-yl)propyl]amino}-1,3,4-thiadiazol-2-
yl}benzamide,
(E)-N-{5-{[3-(1H-imidazol-1-yl)propyl]amino}-1,3,4-thiadiazol-2-yl}-3-phenyl-2-
propenamide,
N-{5-{[3-(1H-imidazol-1-yl)propyl]amino}-1,3,4-thiadiazol-2-yl}-4-iodobenzamide,
N-(5-[[3-(1H-imidazol-1-yl)propyl]amino]-1,3,4-thiadiazol-2-yl)-2,4,6-
triisopropylbenzamide,
tert-butyl 3-[[5-([(E)-3-(2-chlorophenyl)-2-propenoyl]amino]-1,3,4-thiadiazol-2-
yl]amino]propanoate,
tert-butyl 3-[[5-[[2-ethoxy-1-naphthalyl]carbonyl]amino]-1,3,4-thiadiazol-2-
yl]amino]propanoate,
tert-butyl 3-[(5-[[9-octadecenoylamino]-1,3,4-thiadiazol-2-
yl]amino]propanoate,
tert-butyl 3-[[5-[(2,6-dichlorobenzoylamino]-1,3,4-thiadiazol-2-
yl]amino]propanoate,
tert-butyl 3-[[5-[(3,4-dichlorobenzoylamino]-1,3,4-thiadiazol-2-
yl]amino]propanoate,
tert-butyl 3-[[5-[(4-trifluoromethyl)benzoylamino]-1,3,4-thiadiazol-2-
yl]amino]propanoate,
tert-butyl 3-[[5-[(E)-3-phenyl-2-propenoylamino]-1,3,4-thiadiazol-2-
yl]amino]propanoate,
tert-butyl 3-[[5-[[1,3-dioxo-1,3-dihydro-2-benzofuran-5-yl]carbonylamino]-1,3,4-thiadiazol-2-yl]amino]propanoate,
tert-butyl 3-[[5-[(2,4,6-triisopropylbenzoylamino]-1,3,4-thiadiazol-2-
yl]amino]propanoate,
(E)-3-(2-chlorophenyl)-N-[5-(cyclopropylamino]-1,3,4-thiadiazol-2-yl]-2-
propenamide,
N-[5-(cyclopropylamino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide,
(E)-N-[5-(cyclopropylamino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
(E)-N-[5-(cyclopropylamino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide,
N-[5-(cyclopropylamino]-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-
carboxamide,
(E)-3-(2-chlorophenyl)-N-[5-[(cyclopropylmethyl]amino]-1,3,4-thiadiazol-2-yl]-2-
propenamide,
N-[5-[(cyclopropylmethyl]amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide,
(E)-N-[5-[(cyclopropylmethyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
N-[5-[(cyclopropylmethyl]amino]-1,3,4-thiadiazol-2-yl]-4-iodobenzamide,
(E)-3-(2-chlorophenyl)-N-[5-[[2-(1H-imidazol-4-yl)]ethyl]amino]-1,3,4-thiadiazol-
2-yl]-2-propenamide,
2-ethoxy-N-[5-[[2-(1H-imidazol-4-yl)]ethyl]amino]-1,3,4-thiadiazol-2-yl]-1-
naphthamide,
(E)-N(5-[[2-(1H-imidazol-4-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-9-octadecenamide,
2,6-dichloro-N(5-[[2-(1H-imidazol-4-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
(E)-N(5-[[2-(1H-imidazol-4-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-3-phenyl-2-propenamide,
N(5-[[2-(1H-imidazol-4-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-4-iodobenzamide,
N(5-[[2-(1H-imidazol-4-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-2,4,6-triisopropylbenzamide,
N(5-[[2-(1H-imidazol-4-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-1-benzo thiophene-2-carboxamide,
4-bromo-N(5-[[2-(ethylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
(E)-3-(2-chlorophenyl)-N(5-[[2-(ethylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-2-propenamide,
2-ethoxy-N(5-[[2-(ethylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-1-naphthamide,
(E)-N(5-[[2-(ethylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-9-octadecenamide,
2,6-dichloro-N(5-[[2-(ethylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
3,4-dichloro-N(5-[[2-(ethylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,
N(5-[[2-(ethylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-4-(trifluoromethyl)benzamide,
(E)-N(5-[[2-(ethylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-3-phenyl-2-propenamide,
N(5-[[2-(ethylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-4-iodobenzamide,
N(5-[[2-(ethylsulfanyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-1-benzo thiophene-2-carboxamide,
(E)-3-(2-chlorophenyl)-N(5-(cyclobutylamino)-1,3,4-thiadiazol-2-yl)-2-propenamide,
N(5-(cyclobutylamino)-1,3,4-thiadiazol-2-yl)-2-ethoxy-1-naphthamide,
(E)-N(5-(cyclobutylamino)-1,3,4-thiadiazol-2-yl)-9-octadecenamide,
(E)-N(5-[[2-(1-methyl-2-pyrroldinyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-9-octadecenamide,
2,4,6-triisopropyl-N(5-[[2-(1-methyl-2-pyrroldinyl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-2-propenamide,
thiadiazol-2-yl)benzamide,
N-[5-(2,3-dihydro-1H-inden-1-ylamino)-1,3,4-thiadiazol-2-yl]-3-nitrobenzamide,
N-[5-(2,3-dihydro-1H-inden-1-ylamino)-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide,
(E)-N-[5-(2,3-dihydro-1H-inden-1-ylamino)-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
2,6-dichloro-N-[5-(2,3-dihydro-1H-inden-1-ylamino)-1,3,4-thiadiazol-2-yl]benzamide,
N-[5-(2,3-dihydro-1H-inden-1-ylamino)-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
N-[5-(2,3-dihydro-1H-inden-1-ylamino)-1,3,4-thiadiazol-2-yl]-5-nitro-2-furamide,
(E)-3-(2-chlorophenyl)-N-[5-(neopentylamino)-1,3,4-thiadiazol-2-yl]-2-propenamide,
2-ethoxy-N-[5-(neopentylamino)-1,3,4-thiadiazol-2-yl]-1-naphthamide,
2,6-dichloro-N-[5-(neopentylamino)-1,3,4-thiadiazol-2-yl]benzamide,
2-methoxy-N-[5-(1,2,3,4-tetrahydro-1-naphthalenylamino)-1,3,4-thiadiazol-2-yl]benzamide,
3-nitro-N-[5-(1,2,3,4-tetrahydro-1-naphthalenylamino)-1,3,4-thiadiazol-2-yl]benzamide,
3,5-difluoro-N-[5-(1,2,3,4-tetrahydro-1-naphthalenylamino)-1,3,4-thiadiazol-2-yl]benzamide,
(E)-3-(2-chlorophenyl)-N-[5-(1,2,3,4-tetrahydro-1-naphthalenylamino)-1,3,4-thiadiazol-2-yl]-2-propenamide,
2-ethoxy-N-[5-(1,2,3,4-tetrahydro-1-naphthalenylamino)-1,3,4-thiadiazol-2-yl]-1-naphthamide,
(E)-N-[5-(1,2,3,4-tetrahydro-1-naphthalenylamino)-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
2,6-dichloro-N-[5-(1,2,3,4-tetrahydro-1-naphthalenylamino)-1,3,4-thiadiazol-2-yl]benzamide,
1,3-dioxo-N-[5-(1,2,3,4-tetrahydro-1-naphthalenylamino)-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide,
5-nitro-N-[5-(1,2,3,4-tetrahydro-1-naphthalenylamino)-1,3,4-thiadiazol-2-yl]-2-furamide,
N-[5-(1,2,3,4-tetrahydro-1-naphthalenylamino)-1,3,4-thiadiazol-2-yl]-1-benzothiophene-2-carboxamide,
ethyl 4-{(E)-3-(2-chlorophenyl)-2-propenoyl}amino|tetrahydro-1(2H)-pyridinecarboxylate,
ethyl 4-{(2-ethoxy-1-naphthyl)carbonyl}amino|tetrahydro-1(2H)-pyridinecarboxylate,
ethyl 4-{(5-{[(E)-9-octadecenoyl]amino}1,3,4-thiadiazol-2-yl)amino|tetrahydro-1(2H)-pyridinecarboxylate,
ethyl 4-{[(2,6-dichlorobenzoyl)amino]1,3,4-thiadiazol-2-yl|amino|tetrahydro-1(2H)-pyridinecarboxylate,
ethyl 4-{(5-{[1-benzo[phthien-2-ylcarbonyl]amino}1,3,4-thiadiazol-2-yl|amino|tetrahydro-1(2H)-pyridinecarboxylate,
N-{(5-{[1-(benzyl-4-piperidinyl)amino}1,3,4-thiadiazol-2-yl)-4-bromobenzamide,
(E)-N-{[1-(benzyl-4-piperidinyl)amino}1,3,4-thiadiazol-2-yl)3-(2-chlorophenyl)-2-propenamide,
N-{[1-(benzyl-4-piperidinyl)amino}1,3,4-thiadiazol-2-yl)2-ethoxy-1-naphthamide,
(E)-N-{[1-(benzyl-4-piperidinyl)amino}1,3,4-thiadiazol-2-yl)9-octadecenamide,
N-{[1-(benzyl-4-piperidinyl)amino}1,3,4-thiadiazol-2-yl)2,6-dichlorobenzamide,
(E)-N-{[1-(benzyl-4-piperidinyl)amino}1,3,4-thiadiazol-2-yl)3-phenyl-2-propenamide,
N-{[1-(benzyl-4-piperidinyl)amino}1,3,4-thiadiazol-2-yl)4-iodobenzamide,
N-{[1-(benzyl-4-piperidinyl)amino}1,3,4-thiadiazol-2-yl)1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
4-[(5-{[1-(benzyl-4-piperidinyl)amino}1,3,4-thiadiazol-2-yl)amino|carbonyl|benzenesulfonyl fluoride,
N-{[1-(benzyl-4-piperidinyl)amino}1,3,4-thiadiazol-2-yl)2,4,6-triisopropylbenzamide,
N-{[1-(benzyl-4-piperidinyl)amino}1,3,4-thiadiazol-2-yl)5-nitro-2-furamide,
N-{[1-(benzyl-4-piperidinyl)amino}1,3,4-thiadiazol-2-yl)1-benzothiophene-2-carboxamide,
(E)-N-{[2-(dimethylamino)ethyl]amino}1,3,4-thiadiazol-2-yl)9-octadecenamide, or
N-{[2-(dimethylamino)ethyl]amino}1,3,4-thiadiazol-2-yl)2,4,6-triisopropylbenzamide.
9. A compound of claim 1 which is
1. N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-2-ethoxy-1-naphthamide,
2. N-(5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl)-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
3. N-[5-[[3,3-diphenylpropyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
4. N-[5-[[2,2-diphenylethyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
5. 1,3-dioxo-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide,
6. N-[5-[[[(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
7. 1,3-dioxo-N-[5-[[4-(phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide,
8. N-[5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
9. (E)-N-[5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
10. 2-ethoxy-N-[5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-1-naphthamide,
11. 2,6-dichloro-N-[5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,
12. N-[5-(cycloheptylamino)-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide,
13. N-[5-[[[(2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl]methyl]amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide,
14. (E)-N-[5-[[4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
15. N-[5-[[2,2-diphenylethyl]amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide,
16. (E)-N-[5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide,
17. 2,6-dichloro-N-[5-[[3,3-diphenylpropyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,
18. 2,6-dichloro-N-[5-[[2,2-diphenylethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,
19. (E)-N-[5-[[1,3-benzodioxol-5-ylmethyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,
20. N-[5-[[4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl]-2,6-
dichlorobenamide,

21. 2,6-dichloro-N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)benzamide,

22. 4-cyano-N-[5-[[2,2-diphenylethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,

23. N-[5-[[1,3-benzodioxol-5-ylmethyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,

24. 4-cyano-N-[5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,

25. N-[5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-5-nitro-2-furamide,

26. 2,6-dichloro-N-[5-(((2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl)methyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,

27. 4-cyano-N-[5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]benzamide,

28. N-[5-(cycloheptyl)amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,

29. N-[5-[[1,3-benzodioxol-5-ylmethyl]amino]-1,3,4-thiadiazol-2-yl]-2,6-dichlorobenamide,

30. N-[5-[[2,2-diphenylethyl]amino]-1,3,4-thiadiazol-2-yl]-2-methoxybenzamide,

31. (E)-N-[5-[[4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl]-3-phenyl-2-propenamide,

32. (E)-N-[5-(((2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl)methyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,

33. (E)-N-[5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,

34. (E)-N-[5-(cycloheptyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,

35. (E)-N-[5-[[4-(fluorobenzyl)amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide,

36. 2,6-dichloro-N-[5-[[4-phenylbutyl]amino]-1,3,4-thiadiazol-2-yl]benzamide, or

37. N-[5-[[4-(aminosulfonyl)benzyl]amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide.

10. A compound of claim 1 which is

1. N-[5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl]-2-ethoxy-1-naphthamide,

2. N-[5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,

35. N-[5-[[3,3-diphenylpropyl]amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
4. N-{5-[(2,2-diphenylethyl)amino]-1,3,4-thiadiazol-2-yl}-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
5. 1,3-dioxo-N-[5-(undecylamino)-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide,
6. N-[5-(((2R)-6,6-dimethylbicyclo[3.1.1]hept-2-yl)methyl)amino]-1,3,4-thiadiazol-2-yl]-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide,
7. 1,3-dioxo-N-[5-[(4-phenylbutyl)amino]-1,3,4-thiadiazol-2-yl]-1,3-dihydro-2-benzofuran-5-carboxamide,
8. N-(5-[[2-(1H-indol-3-yl)ethyl]amino]-1,3,4-thiadiazol-2-yl)-1,3-dioxo-1,3-dihydro-2-benzofuran-5-carboxamide, or
9. (E)-N-[5-[[3-(cyclohexylamino)propyl]amino]-1,3,4-thiadiazol-2-yl]-9-octadecenamide.

11. A pharmaceutical composition which comprises an effective amount of the compound of claim 1 to treat cytomegalovirus infection and a pharmaceutically acceptable carrier.


13. A method of claim 12 wherein said effective amount of a compound of formula is administered orally, parenterally or topically in a pharmaceutical composition.

14. A method of claim 12 wherein said viral infection is human cytomegalovirus infection.

15. A method of claim 12 wherein said effective amount of a compound of formula is administered in an amount of from about 0.1 to 300 mg/kg of mammal body weight.

16. A compound according to claim 1 substantially as hereinbefore described with reference to any of the examples.

17. A method according to claim 12 substantially as hereinbefore described.

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