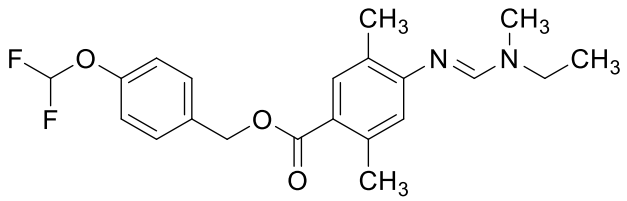
CLAIMS

What is claimed is:

1. A compound of Formula I:



Formula I

or an acceptable salt, solvate, or hydrate thereof.

2. The compound according to claim 1, wherein the acceptable salt is selected from the group consisting of hydrochloride, phosphate, oxalate, tartrate, fumarate, succinate, and 4-hydroxybenzoate.

3. The compound according to claim 1 or claim 2, wherein the acceptable salt is hydrochloride.

4. The compound according to claim 3, wherein the compound is 4-(difluoromethoxy)benzyl 4-(((ethyl(methyl)amino)methylene)amino)-2,5-dimethylbenzoate hydrochloride (Formula I-B).

5. Use of the compound according to any one of claims 1 to 4 for use in controlling a fungal pathogen.

6. The use according to claim 5, wherein the fungal pathogen is one of *Zymoseptoria tritici*, *Cochliobolus sativus*, *Puccinia triticina*, *Puccinia striiformis*, *Ustilago maydis*, *Uncinula necator*, *Rhynchosporium secalis*, *Magnaporthe oryzae*, *Phakopsora pachyrhizi*, *Parastagonospora nodorum*, *Colletotrichum orbiculare*, *Puccinia hordei*, *Cercospora beticola*, *Alternaria solani*, *Pyrenophora teres*, *Blumeria graminis f. sp. tritici*, *Blumeria graminis f. sp. hordei*, *Erysiphe cichoracearum*, *Podosphaera xanthii*, *Rhizoctonia solani*, *Botrytis cinerea*, *Ramularia collo-cygni*, *Pyrenophora tritici-*

repentis, *Exserohilum turcicum*, *Puccinia polysora*, *Sclerotinia sclerotiorum*, *Erysiphe diffusa*, *Podosphaera leucotricha*, *Colletotrichum truncatum*, *Cercospora kikuchii*, *Cercospora sojina*, *Corynespora cassiicola*, and *Septoria glycines*.

7. The use according to claim 6, wherein the fungal pathogen is one of *Zymoseptoria tritici*, *Pyrenophora teres*, *Ramularia collo-cygni*, *Rhynchosporium secalis*, *Puccinia hordei*, *Cercospora beticola*, *Colletotrichum orbiculare*, *Magnaporthe oryzae*, *Phakopsora pachyrhizi*, *Alternaria solani*, *Botrytis cinerea*, *Podosphaera xanthii*, *Cercospora kikuchii*, *Corynespora cassiicola*, *Septoria glycines*, *Ustilago maydis*, and *Puccinia triticina*.

8. The use according to claim 5, wherein the compound treats one of the following diseases from the fungal pathogen: Septoria leaf blotch of wheat (*Zymoseptoria tritici*), spot blotch of barley (*Cochliobolus sativus*), wheat brown rust (*Puccinia triticina*), wheat stripe rust (*Puccinia striiformis*), blister smut of maize (*Ustilago maydis*), powdery mildew of grapevine (*Uncinula necator*), leaf blotch of barley (*Rhynchosporium secalis*), blast of rice (*Magnaporthe oryzae*), Asian soybean rust (*Phakopsora pachyrhizi*), glume blotch of wheat (*Parastagonospora nodorum*), anthracnose of cucurbits (*Colletotrichum orbiculare*), brown rust of barley (*Puccinia hordei*), sugar beet leaf spot (*Cercospora beticola*), early blight of tomato (*Alternaria solani*), net blotch of barley (*Pyrenophora teres*), powdery mildew of wheat (*Blumeria graminis f. sp. tritici*), powdery mildew of barley (*Blumeria graminis f. sp. hordei*), powdery mildew of cucurbits (*Erysiphe cichoracearum*), powdery mildew of cucumber (*Podosphaera xanthii*), collar rot or damping-off of seedlings (*Rhizoctonia solani*), grey mold (*Botrytis cinerea*), Ramularia leaf spot (*Ramularia collo-cygni*), tan spot of wheat (*Pyrenophora tritici-repentis*), Northern leaf blight of maize (*Exserohilum turcicum*), Southern rust of maize (*Puccinia polysora*), white mold (*Sclerotinia sclerotiorum*), powdery mildew of soybean (*Erysiphe diffusa*), powdery mildew of apple (*Podosphaera leucotricha*), anthracnose of soybean (*Colletotrichum truncatum*), Cercospora leaf blight (*Cercospora kikuchii*), frogeye leaf spot (*Cercospora sojina*), target spot of soybean (*Corynespora cassiicola*), and leaf spot of soybean (*Septoria glycines*).

9. The use according to claim 8, wherein the compound treats one of the following diseases from the fungal pathogen: Septoria leaf blotch of wheat (*Zymoseptoria tritici*), net blotch of barley (*Pyrenophora teres*), Ramularia leaf spot (*Ramularia collo-cygni*), leaf blotch of barley (*Rhynchosporium secalis*), brown rust of barley (*Puccinia hordei*), sugar beet leaf spot (*Cercospora beticola*), anthracnose of cucurbits (*Colletotrichum orbiculare*), blast of rice (*Magnaporthe oryzae*), Asian soybean rust (*Phakopsora pachyrhizi*), early blight of tomato (*Alternaria solani*), grey mold (*Botrytis cinerea*), powdery mildew of cucumber (*Podosphaera xanthii*), Cercospora leaf blight (*Cercospora kikuchii*), target spot of soybean (*Corynespora cassiicola*), leaf spot of soybean (*Septoria glycines*), blister smut of maize (*Ustilago maydis*), and wheat brown rust (*Puccinia triticina*).

10. Use of a composition comprising a phytologically acceptable amount of a compound according to any one of claim 1 to 4 and a carrier in the control of a fungal pathogen.

11. The use according to claim 10, wherein the fungal pathogen is one of *Zymoseptoria tritici*, *Cochliobolus sativus*, *Puccinia triticina*, *Puccinia striiformis*, *Ustilago maydis*, *Uncinula necator*, *Rhynchosporium secalis*, *Magnaporthe oryzae*, *Phakopsora pachyrhizi*, *Parastagonospora nodorum*, *Colletotrichum orbiculare*, *Puccinia hordei*, *Cercospora beticola*, *Alternaria solani*, *Pyrenophora teres*, *Blumeria graminis f. sp. tritici*, *Blumeria graminis f. sp. hordei*, *Erysiphe cichoracearum*, *Podosphaera xanthii*, *Rhizoctonia solani*, *Botrytis cinerea*, *Ramularia collo-cygni*, *Pyrenophora tritici-repentis*, *Exserohilum turcicum*, *Puccinia polysora*, *Sclerotinia sclerotiorum*, *Erysiphe diffusa*, *Podosphaera leucotricha*, *Colletotrichum truncatum*, *Cercospora kikuchii*, *Cercospora sojina*, *Corynespora cassiicola*, and *Septoria glycines*.

12. The use according to claim 11, wherein the fungal pathogen is one of *Zymoseptoria tritici*, *Pyrenophora teres*, *Ramularia collo-cygni*, *Rhynchosporium secalis*, *Puccinia hordei*, *Cercospora beticola*, *Colletotrichum orbiculare*, *Magnaporthe oryzae*, *Phakopsora pachyrhizi*, *Alternaria solani*, *Botrytis cinerea*, *Podosphaera xanthii*, *Cercospora kikuchii*, *Corynespora cassiicola*, *Septoria glycines*, *Ustilago maydis*, and *Puccinia triticina*.

13. The use according to claim 10, wherein the composition treats one of the following diseases from the fungal pathogen: Septoria leaf blotch of wheat (*Zymoseptoria tritici*), spot blotch of barley (*Cochliobolus sativus*), wheat brown rust (*Puccinia triticina*), wheat stripe rust (*Puccinia striiformis*), blister smut of maize (*Ustilago maydis*), powdery mildew of grapevine (*Uncinula necator*), leaf blotch of barley (*Rhynchosporium secalis*), blast of rice (*Magnaporthe oryzae*), Asian soybean rust (*Phakopsora pachyrhizi*), glume blotch of wheat (*Parastagonospora nodorum*), anthracnose of cucurbits (*Colletotrichum orbiculare*), brown rust of barley (*Puccinia hordei*), sugar beet leaf spot (*Cercospora beticola*), early blight of tomato (*Alternaria solani*), net blotch of barley (*Pyrenophora teres*), powdery mildew of wheat (*Blumeria graminis f. sp. tritici*), powdery mildew of barley (*Blumeria graminis f. sp. hordei*), powdery mildew of cucurbits (*Erysiphe cichoracearum*), powdery mildew of cucumber (*Podosphaera xanthii*), collar rot or damping-off of seedlings (*Rhizoctonia solani*), grey mold (*Botrytis cinerea*), Ramularia leaf spot (*Ramularia collo-cygni*), tan spot of wheat (*Pyrenophora tritici-repentis*), Northern leaf blight of maize (*Exserohilum turcicum*), Southern rust of maize (*Puccinia polysora*), white mold (*Sclerotinia sclerotiorum*), powdery mildew of soybean (*Erysiphe diffusa*), powdery mildew of apple (*Podosphaera leucotricha*), anthracnose of soybean (*Colletotrichum truncatum*), Cercospora leaf blight (*Cercospora kikuchii*), frogeye leaf spot (*Cercospora sojina*), target spot of soybean (*Corynespora cassiicola*), and leaf spot of soybean (*Septoria glycines*).

14. The use according to claim 13, wherein the composition treats one of the following diseases from the fungal pathogen: Septoria leaf blotch of wheat (*Zymoseptoria tritici*), net blotch of barley (*Pyrenophora teres*), Ramularia leaf spot (*Ramularia collo-cygni*), leaf blotch of barley (*Rhynchosporium secalis*), brown rust of barley (*Puccinia hordei*), sugar beet leaf spot (*Cercospora beticola*), anthracnose of cucurbits (*Colletotrichum orbiculare*), blast of rice (*Magnaporthe oryzae*), Asian soybean rust (*Phakopsora pachyrhizi*), early blight of tomato (*Alternaria solani*), grey mold (*Botrytis cinerea*), powdery mildew of cucumber (*Podosphaera xanthii*), Cercospora leaf blight (*Cercospora kikuchii*), target spot of soybean (*Corynespora cassiicola*), leaf spot of soybean (*Septoria glycines*), blister smut of maize (*Ustilago maydis*), and wheat brown

rust (*Puccinia triticina*).

15. A method of controlling fungal attack on a plant, the method comprising contacting an area adjacent to the plant, soil adapted to support growth of the plant, a root of the plant, foliage of the plant, and a growth medium adapted to grow a plant or a seed, with a phytologically acceptable amount of the compound according to any one of claims 1 to 4.