

Title (en)

METHODS AND COMPOSITIONS FOR TREATING PHYTOPATHOGENIC FUNGI INFECTIONS

Title (de)

VERFAHREN UND ZUSAMMENSETZUNGEN ZUR BEKÄMPFUNG PHYTOPATHOGENER PILZERKRANKUNGEN

Title (fr)

METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE MYCOSES PHYTOPATHOGENES

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Application

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Abstract (en)

[origin: WO9615104A2] The invention provides fungicidal compounds having the general formula (I): X1-A1-B1-C-B2-A2-X2 wherein X1 is an amidine, a guanidine, or an imidazole group. A1 is either a five-membered aromatic ring, a six-membered aromatic ring, a fusion of 2 five-membered aromatic rings, a fusion of 2 six-membered aromatic rings, or a fusion of a six-membered aromatic ring and a five-membered aromatic ring; B1 is either O (oxygen) or absent; C is a straight chain alkyl comprising 1-8 carbons; B2 is either O (oxygen) or absent; A2 is either a five-membered aromatic ring, a six-membered aromatic ring, a fusion of 2 five-membered aromatic rings, a fusion of 2 six-membered aromatic rings, or a fusion of a six-membered aromatic ring and a five-membered aromatic ring; and X2 is an amidine, a guanidine, or an imidazole. The invention also provides compounds having general formula (II) where X1 is an amidine group, a guanidine group, or an imidazole; where Y is 1-5; where Z is 1-2; and where X2 is an amidine group, a guanidine group, or an imidazole. The invention also provides novel methods and formulations for treating and/or preventing fungal infections in plants by applying compounds of formula (I), formula (II), or DNA minor groove binding compounds.

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