

Title (en)  
TRIFLUOROMETHYL-THIOPHENE CARBOXYLIC ACID ANILIDES AND USE THEREOF AS FUNGICIDES

Title (de)  
TRIFLUORMETHYL-THIOPHENCARBONSÄUREANILIDE UND IHRE VERWENDUNG ALS FUNGIZIDE

Title (fr)  
ANILIDE D'ACIDE CARBOXYLIQUE TRIFLUOROMETHYLTHIOPHENE ET SON UTILISATION EN TANT QUE FONGICIDE

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Application  
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Abstract (en)  
[origin: WO2004085419A1] The invention relates to trifluoromethyl-thiophene carboxylic acid anilides of general formulas I, II, and III, wherein the substituents have the following meaning: R<1>, R<4> independently represent C1-C4 alkyl, C3-C6 cycloalkyl, C2-C4 alkenyl, C2-C4 alkynyl, C1-C4 alkoxy, said groups being optionally substituted by halogen, H, halogen, nitro, CN; R<2> represents H, OH, C1-C4 alkyl, C3-C6 cycloalkyl, C1-C4 alkoxy, said groups being optionally substituted by halogen; R<3> represents C1-C12 alkyl, C3-C12 cycloalkyl, C2-C12 alkenyl, C5-C12 cycloalkenyl, C2-C12 alkynyl, C3-C12 cycloalkyl-C1-C4 alkyl, said groups being optionally substituted by R<7>; phenyl, phenyl-C1-C6 alkyl, phenyl-C2-C6 alkenyl, phenyl-C2-C6 alkynyl, phenyloxy-C1-C6 alkyl, phenyloxy-C2-C6 alkenyl, phenyloxy-C2-C6 alkynyl, the alkyl portion, alkenyl portion, and alkynyl portion being optionally substituted by R<7> and the phenyl ring being optionally substituted by R<5>; -C(R<8>)=NOR<6>; X represents O, S, or a direct bond; R<5> represents H, C1-C4 alkyl, C3-C6 cycloalkyl, C1-C4 alkoxy, C2-C4 alkenyl, C2-C4 alkynyl, said groups being optionally substituted by halogen, halogen, nitro, CN, phenyl which can be substituted by R<1>, phenoxy that can be substituted by R<1>, C1-C6 alkyl-phenyl, the alkyl portion being optionally substituted by halogen and the phenyl ring being optionally substituted by R<1>; R<6> represents C1-C4 alkyl, C3-C6 cycloalkyl, C2-C4 alkenyl, C2-C4 alkynyl, said groups being optionally substituted by halogen, phenyl which can be substituted by R<1>; R<7> represents C1-C4 alkyl, C1-C8 alkoxy, C2-C8 alkenyloxy, C2-C8 alkynyloxy, C1-C4 alkoxy-C1-C8 alkoxy, said groups being optionally substituted by halogen, halogen; R<8> represents H, R<7>, or C1-C12 alkyl, C3-C12 cycloalkyl, C2-C12 alkenyl, C5-C12 cycloalkenyl, C3-C12 cycloalkyl-C1-C4 alkyl, said groups being optionally substituted by halogen; phenyl which can be substituted by R<5>; n represents 0 to 4; and m represents 0, 1. Also disclosed is the use of the inventive trifluoromethyl-thiophene carboxylic acid anilides as fungicides and agents containing said trifluoromethyl-thiophene carboxylic acid anilides.

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