

Title (en)  
SUBSTITUTED ARYL SULPHONYL AMINO(THIO)CARBONYL-TRIAZOLIN(THI)ONES AS HERBICIDES

Title (de)  
SUBSTITUIERTE ARYLSULFONYLAMINO(THIO)CARBONYL-TRIAZOLIN(THI)ONE ALS HERBIZIDE

Title (fr)  
ARYLSULFONYLAMINO(THIO)CARBONYL-TRIAZOLIN(THI)ONES SUBSTITUES UTILISES COMME HERBICIDES

Publication  
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Application  
**EP 97906119 A 19970224**

Priority  
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• EP 9700878 W 19970224

Abstract (en)  
[origin: DE19609059A1] The invention relates to novel substituted aryl sulphonyl amino(thio)carbonyl-triazolin(thi)ones of the formula (I) in which: Q<1> is oxygen or sulphur; Q<2> is oxygen or sulphur; R<1> is hydrogen, amino or possibly substituted alkyl, alkoxy, alkyl carbonyl, alkoxy carbonyl, alkyl thio, alkyl sulphinyl, alkyl sulphonyl, alkenyl, alkynyl or alkylidene amino; R<2> is hydrogen or possibly substituted alkyl, alkyl carbonyl, alkoxy carbonyl, alkyl sulphonyl, alkenyl or alkynyl or, together with R<1>, for alkane diyl possibly interrupted by oxygen and/or substituted alkandyl; R<3> is hydrogen, cyano, nitro, halogen or possibly substituted alkyl, alkyl carbonyl or alkoxy carbonyl; R<4> is hydrogen, hydroxy, amino, alkylidene amino or a possibly substituted radical from the series alkyl, alkenyl, alkynyl, alkoxy, alkene oxy, alkyl amino, dialkyl amino, cycloalkyl, cycloalkyl alkyl, cycloalkyl amino, aryl, aryl alkyl; and R<5> is hydrogen, hydroxy, mercapto, amino, cyano, halogen or a possibly substituted radical from the series alkyl, alkoxy, alkyl thio, alkyl amino, dialkyl amino, alkenyl, alkynyl, alkenyloxy, alkynyloxy, alkenyl thio, alkynylthio, alkenyl amino, alkynyl amino, cycloalkyl, cycloalkyloxy, cycloalkyl thio, cycloalkyl amino, cycloalkyl alkyl, aryl, aryloxy, aryl thio, aryl amino, aryl alkyl; and salts of compounds of formula (I), process for producing the novel compounds and their use as herbicides.

IPC 1-7  
**C07D 409/12**; **A01N 43/653**; **A01N 47/38**

IPC 8 full level  
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