

Title (en)  
METHOD FOR PRODUCING 4-HALOALKYL NICOTINIC ACID AMIDES

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON 4-HALOALKYLNICOTINS UREAMIDEN

Title (fr)  
PROCEDE DE PRODUCTION D'AMIDES 4-HALOALKYLNICOTINIQUES

Publication  
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Application  
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Abstract (en)  
[origin: WO03099791A1] The invention relates to a method for producing 4-haloalkyl nicotinic acid esters of formula (I), wherein R<1> represents (C1-C4)-haloalkyl, whereby one or several 3-((C1-C4)haloalkyl-3-oxo-1-alkenyl amino)nitriles of formula (II), (III) and/or (IV), R<1>-C(O)-CH=CH-NH-CH=CH-CN (II) R<1>-C(O)-CH=CH-NH-CH(ZR<2>)-CH2-CN (III) R<1>-C(O)-CH=CH-NH-CH(Hal)-CH2-CN (IV), wherein R<1> has the above-mentioned meaning; R<2> represents (C1-C6) alkyl in an identical or different manner and Z represents O, S or NR<1> in an identical or different manner, are subjected to a ring closure reaction and simultaneous hydrolysis in the presence of a strong acid. The compounds of formula (I) are used as intermediate products in the production of pesticides.

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