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(54) **PROCESSUS DE PREPARATION D'UN ACIDE
HYDROXAMIQUE DE SOUFRE ARYLIQUE-3**
(54) **PROCESS FOR PREPARING 3-ARYLSULFUR HYDROXAMIC
ACIDS**

(57) This invention provides processes for the preparation of a compound of formula I: $Y-C(=O)-C(R^1)(R^2)-CH_2-S(O)_nR^3$ wherein: Y is hydroxy or XONX, where each X is independently hydrogen, lower alkyl or lower acyl; R^1 is hydrogen or lower alkyl; R^2 is hydrogen, lower alkyl, aryl, aralkyl, cycloalkyl, cycloalkylalkyl, or R^1 and R^2 together with the carbon atom to which they are attached form a cycloalkyl or heterocyclo group; and R^3 is aryl. The invention also provides novel aryl haloalkyl sulfide and aryl alkyl sulfide intermediates useful for the preparation of compounds of formula I and novel processes of preparing aryl alkyl sulfides.



ABSTRACT

This invention provides processes for the preparation of a compound of formula I:



5 wherein:

Y is hydroxy or XONX, where each X is independently hydrogen, lower alkyl or lower acyl;

R¹ is hydrogen or lower alkyl;

10 R² is hydrogen, lower alkyl, aryl, aralkyl, cycloalkyl, cycloalkylalkyl, or R¹ and R² together with the carbon atom to which they are attached form a cycloalkyl or heterocyclo group; and

R³ is aryl.

The invention also provides novel aryl haloalkyl sulfide and aryl alkyl sulfide intermediates useful for the preparation of compounds of formula I and
15 novel processes of preparing aryl alkyl sulfides.

