

Title (en)

PROCESS FOR PREPARING ARYLPIPERIDINE CARBINOL INTERMEDIATES AND DERIVATIVES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ARYLPIPERIDINCARBINOL-ZWISCHENPRODUKTEN UND DERIVATEN

Title (fr)

PROCEDE DE PREPARATION D'INTERMEDIAIRES ET DE DERIVES DE ARYLPIPERIDINE CARBINOL

Publication

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Application

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Abstract (en)

[origin: WO0037443A1] A process for the synthesis of arylpiperidine carbinol intermediates and derivatives is disclosed. A preferred process embodiment provides the synthesis of intermediate compounds of structural formula (I) and structural formula (II), where X is halogen, C1-C10 alkyl, C1-C10 alkoxy, C1-C10 haloalkyl, hydroxy, or hydrogen; and R2 and R3 each is C1-C4 alkyl and R2 and R3 are the same. The compound of structural formula (I) is made by condensing a corresponding cinnamionitrile with a corresponding diester malonate. The compound of structural formula (II) in the (+/-)-trans configuration is obtained by hydrogenating the compound of structural formula (I). The compounds of structural formula (I) and structural formula (II) are useful chemical intermediates for synthesizing 4-aryl piperidine-3-carbinols and their derivatives in (-)-trans configuration.

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