

Title (en)
PROCESSES AND INTERMEDIATES FOR PREPARING 1-BENZYL-4-((5,6-DIMETHOXY-1-INDANON)-2-YL)METHYLPIPERIDINE

Title (de)
VERFAHREN UND ZWISCHENPRODUKTE ZUR HERSTELLUNG VON 1-BENZYL-4-((5-DIMETHOXY-1-Indanon)-2-YL)METHYLPIPERIDIN

Title (fr)
PROCEDES DE PREPARATION DE 1-BENZYL-4-((5,6-DIMETHOXY-1-INDANON)-2-YL)METHYLPIPERIDINE ET INTERMEDIAIRES UTILISES A CET EFFET

Publication
EP 0883607 A1 19981216 (EN)

Application
EP 96931937 A 19961011

Priority
• IB 9601076 W 19961011
• US 875395 P 19951215

Abstract (en)
[origin: WO9722584A1] The present invention relates to a process for preparing a compound of formula (I), wherein R<1> is R<2>O(C=O)- or R<3>(C=O)-, R<2> is (C1-C4)alkyl, and R<3> is (C1-C4)alkyl or phenyl optionally substituted with from one to three substituents independently selected from (C1-C4)alkyl, (C1-C4)alkoxy, halo or trifluoromethyl, comprising: a) reacting a compound of formula (III), wherein R<1> is R<2>O(C=O)- or R<3>(C=O)-, R<2> is (C1-C4)alkyl, and R<3> is (C1-C4)alkyl or phenyl optionally substituted with from one to three substituents independently selected from (C1-C4)alkyl, (C1-C4)alkoxy, halo or trifluoromethyl, with a methenylation agent to form a compound of formula (II), wherein R<1> is R<2>O(C=O)- or R<3>(C=O)-, R<2> is (C1-C4)alkyl, and R<3> is (C1-C4)alkyl or phenyl optionally substituted with from one to three substituents independently selected from (C1-C4)alkyl, (C1-C4)alkoxy, halo or trifluoromethyl and; b) reacting said compound of formula (II), so formed, with a strong acid. The present invention further comprises the additional step of reacting the compound of formula (I) with hydroxide to form a compound of formula (VI), and reacting said compound of formula (VI) so formed with a benzyl halide and a base to form a compound of formula (VII). The present invention relates also to the novel intermediates of formulae (I), (II) and (III).

IPC 1-7
C07D 211/32

IPC 8 full level
C07D 211/16 (2006.01); **C07D 211/32** (2006.01)

IPC 8 main group level
C07D (2006.01)

CPC (source: EP KR)
C07D 211/32 (2013.01 - EP KR)

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
WO 9722584 A1 19970626; AP 708 A 19981204; AP 9600892 A0 19970131; AR 004368 A1 19981104; AU 7092596 A 19970714; AU 716462 B2 20000224; BG 102525 A 19990531; BR 9612018 A 19990217; CA 2237647 A1 19970626; CO 4750831 A1 19990331; CZ 180898 A3 19990512; DZ 2141 A1 20020723; EP 0883607 A1 19981216; GT 199600092 A 19980512; HN 1996000065 A 19970626; HR P960592 A2 19980630; HU P9904275 A2 20000528; HU P9904275 A3 20010528; IL 124452 A0 19981206; IL 136420 A0 20010614; IL 136421 A0 20010614; IS 4752 A 19980522; JP 3066083 B2 20000717; JP H11500756 A 19990119; KR 20000064387 A 20001106; MA 24032 A1 19970701; MX 9804820 A 19981031; NO 982712 D0 19980612; NO 982712 L 19980612; NZ 318843 A 20000128; OA 10694 A 20010504; PE 25698 A1 19980521; PL 197306 B1 20080331; PL 327512 A1 19981221; RO 121382 B1 20070430; RU 2160731 C2 20001220; SK 75498 A3 19990806; TN SN96153 A1 20050315; TW 414787 B 20001211; UY 24401 A1 19970609; YU 49486 B 20060817; YU 66096 A 19991122; ZA 9610533 B 19980615

DOCDB simple family (application)
IB 9601076 W 19961011; AP 9600892 A 19961212; AR P960105577 A 19961210; AU 7092596 A 19961011; BG 10252598 A 19980609; BR 9612018 A 19961011; CA 2237647 A 19961011; CO 96065334 A 19961212; CZ 180898 A 19961011; DZ 960186 A 19961211; EP 96931937 A 19961011; GT 199600092 A 19961118; HN 1996000065 A 19961015; HR P960592 A 19961213; HU P9904275 A 19961011; IL 12445296 A 19961011; IL 13642096 A 19961011; IL 13642196 A 19961011; IS 4752 A 19980522; JP 52260796 A 19961011; KR 19980704423 A 19980612; MA 24424 A 19961211; MX 9804820 A 19980615; NO 982712 A 19980612; NZ 31884396 A 19961011; OA 9800076 A 19980605; PE 00088396 A 19961209; PL 32751296 A 19961011; RO 9801070 A 19961011; RU 98111204 A 19961011; SK 75498 A 19961011; TN SN96153 A 19961211; TW 85112515 A 19961014; UY 24401 A 19961212; YU 66096 A 19961211; ZA 9610533 A 19961213