



(43) International Publication Date
26 June 2014 (26.06.2014)

(10) International Publication Number
WO 2014/096151 A3

- (51) International Patent Classification:
C07C 49/697 (2006.01)
- (21) International Application Number:
PCT/EP2013/077314
- (22) International Filing Date:
19 December 2013 (19.12.2013)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
PA 2012 00811 19 December 2012 (19.12.2012) DK
61/739,095 19 December 2012 (19.12.2012) US
- (71) Applicant: H. LUNDBECK A/S [DK/DK]; Otillavej 9,
DK-2500 Valby (DK).
- (72) Inventors: JACOBSEN, Mikkel Fog; Nyelandsvej 54,
4.th., DK-2000 Frederiksberg (DK). BRANDES, Sebasti-
an; Ringstedvej 53, DK-4000 Roskilde (DK).
- (81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,

KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,
SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM,
ZW.

- (84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

- (88) Date of publication of the international search report:
28 August 2014

(54) Title: 6-CHLORO-3-(PHENYL-D₅)-INDEN-1-ONE AND USE THEREOF

(57) Abstract: The present invention discloses the compound 6-chloro-3-(phenyl-d₅)-inden-1-one (I) and routes of synthesis to ob-
tain (I). In a further aspect the present invention discloses the use of (I) for the synthesis of (S)-6-chloro-3-(phenyl-d₅)-indan-1-one.



WO 2014/096151 A3