

Product Data Sheet

Product Name: Dehydroaripiprazole

Cat. No.: GC39705

Chemical Properties

Cas. No. 129722-25-4

SMILES O=C1NC2=C(C=CC(OCCCCN3CCN(C4=CC=CC(Cl)=C4Cl)CC3)=C2)C=C1

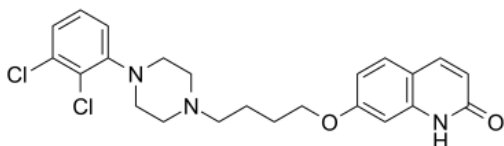
Formula $C_{23}H_{25}Cl_2N_3O_2$ M.Wt 446.37

Solubility DMSO : 20 mg/mL (44.81 mM; ultrasonic and warming and heat to 60°C) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Dehydroaripiprazole (OPC-14857) is an active metabolite of Aripiprazole. Aripiprazole is an antipsychotic agent and is metabolized by CYP3A4 and CYP2D6 forming mainly Dehydroaripiprazole. Dehydroaripiprazole has with antipsychotic activity equivalent to Aripiprazole[1][2][3].

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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[1]. Kirschbaum KM, et al. Serum levels of aripiprazole and dehydroaripiprazole, clinical response and side effects. World J Biol Psychiatry. 2008;9(3):212-8. [2]. Lin SK, et al. Aripiprazole and dehydroaripiprazole plasma concentrations and clinical responses in patients with schizophrenia. J Clin Psychopharmacol. 2011 Dec;31(6):758-62. [3]. Hui-ChingHuang, et al. Detection and quantification of aripiprazole and its metabolite, dehydroaripiprazole, by gas chromatography-mass spectrometry in blood samples of psychiatric patients. Journal of Chromatography B. Volume 856, Issues 1-2, 1 September 2007, Pages 57-61. [4]. Stip E, Tourjman V. et al. Aripiprazole in schizophrenia and schizoaffective disorder: A review. Clin Ther. 2010;32 Suppl 1:S3-20.

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