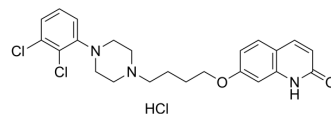


Dehydroaripiprazole hydrochloride

Cat. No.:	HY-113575
CAS No.:	1008531-60-9
Molecular Formula:	C ₂₃ H ₂₆ Cl ₃ N ₃ O ₂
Molecular Weight:	482.83
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Dehydroaripiprazole (OPC-14857) hydrochloride is an active metabolite of Aripiprazole. Aripiprazole is an antipsychotic agent and is metabolized by CYP3A4 and CYP2D6 forming mainly Dehydroaripiprazole hydrochloride. Dehydroaripiprazole hydrochloride has with antipsychotic activity equivalent to Aripiprazole ^{[1][2][3][4]} .
IC ₅₀ & Target	5-HT _{1A} Receptor 4.2 nM (Ki)

CUSTOMER VALIDATION

- Korean J Physiol Pharmacol. 2020 Nov 1;24(6):545-553.

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REFERENCES

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- [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.

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

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