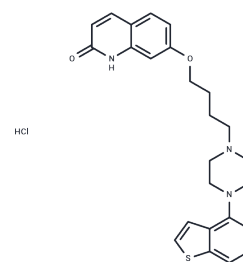


Brexpiprazole HCl

Chemical Properties

CAS No. :	913612-38-1
Formula:	C ₂₅ H ₂₇ N ₃ O ₂ S.xHCl
Molecular Weight:	433.6
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Brexpiprazole HCl (OPC 34712 dihydrochloride) is a new antipsychotic drug.
Targets(IC50)	Others,5-HT Receptor,Adrenergic Receptor,Dopamine Receptor

Solubility Information

Solubility	DMSO: 27.5 mg/mL (63.42 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3063 mL	11.5314 mL	23.0627 mL
5 mM	0.4613 mL	2.3063 mL	4.6125 mL
10 mM	0.2306 mL	1.1531 mL	2.3063 mL
50 mM	0.0461 mL	0.2306 mL	0.4613 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Wen-Yu Hsu , Hsien-Yuan Lane , Chieh-Hsin Lin.Brexpiprazole for the treatment of schizophrenia.Expert Opin Pharmacother. 2017 Feb;18(2):217-223.

Correll C U , Skuban A , Hobart M , et al. Efficacy of brexpiprazole in patients with acute schizophrenia: Review of three randomized, double-blind, placebo-controlled studies[[]]. Schizophrenia Research, 2016, 174(1-3).

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