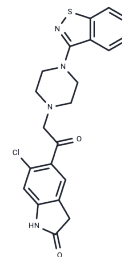


Keto Ziprasidone

Chemical Properties

CAS No. :	884305-07-1
Formula:	C ₂₁ H ₁₉ ClN ₄ O ₂ S
Molecular Weight:	426.92
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	Ziprasidone, an antipsychotic agent, functions as a dual antagonist of 5-HT (serotonin) and dopamine receptors. Keto Ziprasidone represents an impurity found within Ziprasidone.
Targets(IC50)	5-HT Receptor, Dopamine Receptor, Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3424 mL	11.7118 mL	23.4236 mL
5 mM	0.4685 mL	2.3424 mL	4.6847 mL
10 mM	0.2342 mL	1.1712 mL	2.3424 mL
50 mM	0.0468 mL	0.2342 mL	0.4685 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

Sundaram Venkataraman, et al. Ziprasidone process. US7777037B2.

Seeger, T.F., et al., Ziprasidone (CP-88,059): a new antipsychotic with combined dopamine and serotonin receptor antagonist activity. J Pharmacol Exp Ther, 1995. 275(1): p. 101-13.

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