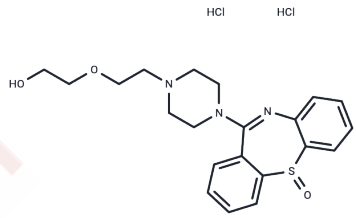
Data Sheet (Cat.No.T12619L)

TargetMol

Quetiapine sulfoxide dihydrochloride

Chemical Properties



CAS No. : 329218-11-3

Formula: C21H27Cl2N3O3S

Molecular Weight: 472.43

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Quetiapine sulfoxide dihydrochloride is a main Quetiapinem metabolite. Quetiapine is a agonist of 5-HT receptors and a antagonist of dopamine receptor.Quetiapine is a second-generation antipsychotic.
Targets(IC50)	Others
In vivo	For Quetiapine sulfoxide, metabolic ratio decreases with time, from 119% on average 2 hours after dosing to 30% on average 72 hours after dosing[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1167 mL	10.5836 mL	21.1672 mL
5 mM	0.4233 mL	2.1167 mL	4.2334 mL
10 mM	0.2117 mL	1.0584 mL	2.1167 mL
50 mM	0.0423 mL	0.2117 mL	0.4233 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.

Reference

Remmerie B, et al. Comparison of Capillary and Venous Drug Concentrations After Administration of a Single Dose of Risperidone, Paliperidone, Quetiapine, Olanzapine, or Aripiprazole. Clin Pharmacol Drug Dev. 2016 Nov;5(6):528-537.

Cross AJ, et al. Quetiapine and its metabolite norquetiapine: translation from in vitro pharmacology to in vivo efficacy in rodent models. Br J Pharmacol. 2016 Jan;173(1):155-66.

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