

Quetiapine-D4 fumarate

Chemical Properties

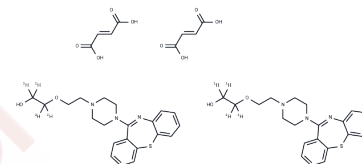
CAS No. : 1287376-15-1

Formula: C₂₅H₂₉N₃O₆S

Molecular Weight: 503.61

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	Quetiapine-D4 fumarate is the deuterium labeled Quetiapine fumarate. Quetiapine fumarate (T6241) is a agonist of 5-HT receptors and a antagonist of dopamine receptor, with antidepressant and anxiolytic.
Targets(IC50)	5-HT Receptor, Dopamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9857 mL	9.9283 mL	19.8566 mL
5 mM	0.3971 mL	1.9857 mL	3.9713 mL
10 mM	0.1986 mL	0.9928 mL	1.9857 mL
50 mM	0.0397 mL	0.1986 mL	0.3971 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

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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