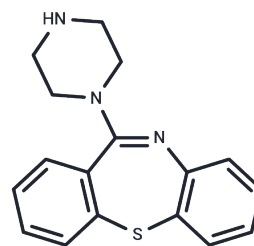


Norquetiapine

Chemical Properties

CAS No. : 5747-48-8
 Formula: C₁₇H₁₇N₃S
 Molecular Weight: 295.40
 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	Norquetiapine (N-Desalkylquetiapine) is a metabolite of Quetiapine and acts as a selective HCN1 channel inhibitor with an IC ₅₀ of 13.9 μM. It selectively inhibits norepinephrine reuptake and serves as a partial agonist at the 5-HT _{1A} receptor (K _i = 45 nM). Norquetiapine also functions as an antagonist at presynaptic α ₂ (K _i = 237 nM), 5-HT _{2C} (K _i = 107 nM), and 5-HT ₇ (K _i = 76 nM) receptors. Additionally, it blocks human cardiac sodium channels Nav1.5 in a state-dependent manner. In LPS-injected C57BL/6 mice, Norquetiapine displays partial anti-inflammatory effects. This compound is utilized in research related to depression and inflammation.
Targets(IC ₅₀)	5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3852 mL	16.9262 mL	33.8524 mL
5 mM	0.677 mL	3.3852 mL	6.7705 mL
10 mM	0.3385 mL	1.6926 mL	3.3852 mL
50 mM	0.0677 mL	0.3385 mL	0.677 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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