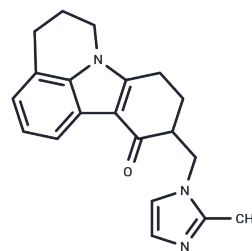


5-HT3 antagonist 3

Chemical Properties

CAS No. :	120635-47-4
Formula:	C ₂₀ H ₂₁ N ₃ O
Molecular Weight:	319.4
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	5-HT ₃ antagonist 3 (Compound 15b) is a high-affinity 5-HT ₃ receptor antagonist that binds to 5-HT ₃ receptors in rat brain cortical membranes (K _i : 0.25 nM).
Targets(IC ₅₀)	5-HT Receptor
In vitro	Serotonin (5-HT), integral to numerous physiological and pathophysiological processes, interacts with multiple distinct membrane receptors[1].

Solubility Information

Solubility	DMSO: 5.5 mg/mL (17.22 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	3.1309 mL	15.6544 mL	31.3087 mL
5 mM	0.6262 mL	3.1309 mL	6.2617 mL
10 mM	0.3131 mL	1.5654 mL	3.1309 mL
50 mM	0.0626 mL	0.3131 mL	0.6262 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

van Wijngaarden I, et al. Development of high-affinity 5-HT₃ receptor antagonists. Structure-affinity relationships of novel 1,7-annelated indole derivatives. J Med Chem. 1993 Nov 12;36(23):3693-9.

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