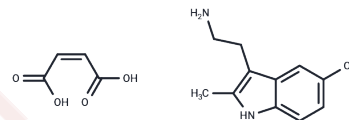


2-Methyl-5-HT maleate

Chemical Properties

CAS No. :	78263-91-9
Formula:	C ₁₅ H ₁₈ N ₂ O ₅
Molecular Weight:	306.31
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	2-Methyl-5-HT maleate (2-Methyl-5-hydroxytryptamine maleate) is a potent and selective 5-HT ₃ receptor agonist with demonstrated anti-depressive-like effects[1].
Targets(IC ₅₀)	5-HT Receptor
In vivo	Compared to controls, 2-Methyl-5-HT maleate (2-Methyl-5-hydroxytryptamine maleate) (i.p.; 3 mg/kg; 45 minutes) significantly decreases time of immobility, thus showing anti-depressive-like effects[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2647 mL	16.3233 mL	32.6467 mL
5 mM	0.6529 mL	3.2647 mL	6.5293 mL
10 mM	0.3265 mL	1.6323 mL	3.2647 mL
50 mM	0.0653 mL	0.3265 mL	0.6529 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

Sumaya IC, et al. Differential effects of a short-term high-fat diet in an animal model of depression in rats treated with the 5-HT₃ receptor antagonist, ondansetron, the 5-HT₃ receptor agonist, 2-methyl-5-HT, and the SSRI, fluoxetine. *Pharmacol Biochem Behav.* 2016 May;144:78-84.

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