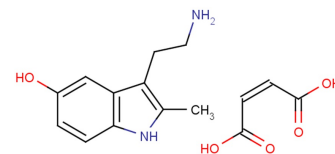


2-Methyl-5-HT maleate

Chemical Properties

CAS No.:	78263-91-9
Formula:	C ₁₅ H ₁₈ N ₂ O ₅
Molecular Weight:	306.31
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	2-Methyl-5-HT maleate (2-Methyl-5-hydroxytryptamine maleate) is a potent and selective 5-HT ₃ receptor agonist, which is shown to display anti-depressive-like effects[1].
Targets(IC ₅₀)	5-HT ₃ Receptor: None
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].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.265 mL	16.323 mL	32.647 mL
5 mM	0.653 mL	3.265 mL	6.529 mL
10 mM	0.326 mL	1.632 mL	3.265 mL
50 mM	0.065 mL	0.326 mL	0.653 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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