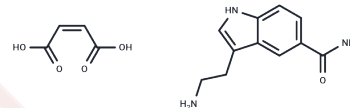


5-Carboxamidotryptamine maleate

Chemical Properties

CAS No. :	74885-72-6
Formula:	C ₁₅ H ₁₇ N ₃ O ₅
Molecular Weight:	319.31
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	5-Carboxamidotryptamine maleate (5-CT maleate) is a receptor agonist with antihypertensive and glucose-raising effects.
Targets(IC ₅₀)	5-HT Receptor
In vivo	Effects of the non-selective 5-HT receptor agonist, 5-carboxamidotryptamine, on plasma glucose levels in rats[1].

Solubility Information

Solubility	H ₂ O: < 31.93 mg/mL, Sonication is recommended. DMSO: 45 mg/mL (140.93 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.26 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1318 mL	15.6588 mL	31.3175 mL
5 mM	0.6264 mL	3.1318 mL	6.2635 mL
10 mM	0.3132 mL	1.5659 mL	3.1318 mL
50 mM	0.0626 mL	0.3132 mL	0.6264 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

Jun Yamada, et, al. Effects of the non-selective 5-HT receptor agonist, 5-carboxamidotryptamine, on plasma glucose levels in rats. European Journal of Pharmacology. Volume 359, Issue 1, 16 October 1998, Pages 81-86

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