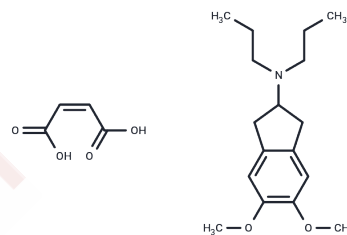


U 99194 maleate

Chemical Properties

CAS No. : 234757-41-6
 Formula: C₂₁H₃₁N₂O₆
 Molecular Weight: 393.47
 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	U 99194 maleate (U-99194A maleate) is a D3 antagonist and increases social behaviors of isolation-induced aggressive male mice.
Targets(IC50)	Dopamine Receptor
In vivo	U 99194 maleate (40 mg/kg) significantly decreases spontaneous motor activity and presents an antiaggressive action without impairment of other behaviors, such as nonsocial exploration or immobility. U 99194 maleate (20-40 mg/kg) significantly increases social investigation[1].

Solubility Information

Solubility	H ₂ O: 9 mg/mL (22.87 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	2.5415 mL	12.7074 mL	25.4149 mL
5 mM	0.5083 mL	2.5415 mL	5.083 mL
10 mM	0.2541 mL	1.2707 mL	2.5415 mL
50 mM	0.0508 mL	0.2541 mL	0.5083 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

Rodríguez-Arias M, et al. The dopamine D3 antagonist U-99194A maleate increases social behaviors of isolation-induced aggressive male mice. *Psychopharmacology (Berl)*. 1999 May;144(1):90-4.

Manzanedo C, et al. The effects of dopamine D2 and D3 antagonists on spontaneous motor activity and morphine-induced hyperactivity in male mice. *Psychopharmacology (Berl)*. 1999 Mar;143(1):82-8.

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