

(+)-UH 232 Maleate

Chemical Properties

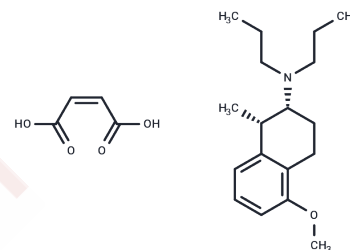
CAS No. : 1217473-50-1

Formula: C₂₂H₃₃N₃O₅

Molecular Weight: 391.51

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	(+)-UH 232 Maleate is a selective modulator of dopamine receptor subtypes, acting as an endogenously preferential antagonist at D ₂ receptors and a partial agonist at D ₃ receptors. (+)-UH 232 Maleate selectively binds to and blocks D ₂ autoreceptors on central dopaminergic neurons, thereby lifting their negative feedback inhibition on dopamine synthesis and release. (+)-UH 232 Maleate binds to D ₃ receptors with low intrinsic activity (0.2-0.4) and can partially activate the receptor signaling pathway. (+)-UH 232 Maleate can be used for specific studies of dopaminergic nervous system function.
Targets(IC50)	Dopamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5542 mL	12.7711 mL	25.5421 mL
5 mM	0.5108 mL	2.5542 mL	5.1084 mL
10 mM	0.2554 mL	1.2771 mL	2.5542 mL
50 mM	0.0511 mL	0.2554 mL	0.5108 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

N Griffon, et al. The preferential dopamine D₃ receptor ligand, (+)-UH232, is a partial agonist. Eur J Pharmacol. 1995.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481