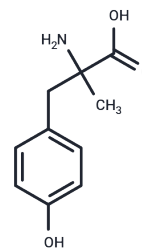


Racemetirosine

Chemical Properties

CAS No. :	658-48-0
Formula:	C ₁₀ H ₁₃ NO ₃
Molecular Weight:	195.22
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	Racemetirosine is a Tyrosine 3-monooxygenase inhibitor, and inhibits the synthesis of catecholamines consequently.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1224 mL	25.6121 mL	51.2243 mL
5 mM	1.0245 mL	5.1224 mL	10.2449 mL
10 mM	0.5122 mL	2.5612 mL	5.1224 mL
50 mM	0.1024 mL	0.5122 mL	1.0245 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

Khakimova GR, et al. "Provocation test" as a novel approach to early diagnosis of Parkinson's disease. Dokl Biol Sci. 2015;460:17-9.

Caravaggio F, et al. Reduced insulin sensitivity is related to less endogenous dopamine at D2/3 receptors in the ventral striatum of healthy nonobese humans. Int J Neuropsychopharmacol. 2015 Feb 25;18(7):pyv014.

Caravaggio F, et al. Estimating endogenous dopamine levels at D2 and D3 receptors in humans using the agonist radiotracer [(11)C]-(+)-PHNO. Neuropsychopharmacology. 2014 Nov;39(12):2769-76.

Homan P, Drevets WC, Hasler G. The effects of catecholamine depletion on the neural response to fearful faces in remitted depression. Int J Neuropsychopharmacol. 2014 Sep;17(9):1419-28.

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