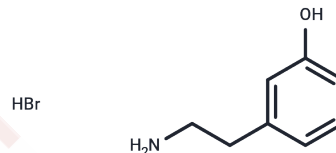


m-Tyramine hydrobromide

Chemical Properties

CAS No. :	38449-59-1
Formula:	C ₈ H ₁₂ BrNO
Molecular Weight:	218.09
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	m-Tyramine hydrobromide (3-(2-aminoethyl)phenol hydrobromide) is a dopamine derivative that acts by releasing newly synthesized catecholamines or 5-HT.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 100 mg/mL (458.53 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: 4 mg/mL (18.34 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	4.5853 mL	22.9263 mL	45.8526 mL
5 mM	0.9171 mL	4.5853 mL	9.1705 mL
10 mM	0.4585 mL	2.2926 mL	4.5853 mL
50 mM	0.0917 mL	0.4585 mL	0.9171 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

Jones RS, et al. Interactions between p-tyramine, m-tyramine, or beta-phenylethylamine and dopamine on single neurones in the cortex and caudate nucleus of the rat. *Can J Physiol Pharmacol.* 1980 Feb;58(2):222-7.

Dyck LE, et al. The role of catecholamines, 5-hydroxytryptamine and m-tyramine in the behavioural effects of m-tyrosine in the rat. *Eur J Pharmacol.* 1982 Oct 22;84(3-4):139-49.

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