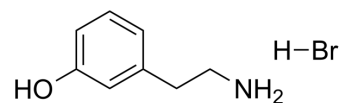


m-Tyramine hydrobromide

Cat. No.:	HY-128975
CAS No.:	38449-59-1
Molecular Formula:	C ₈ H ₁₂ BrNO
Molecular Weight:	218.09
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (573.16 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		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
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (9.54 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (9.54 mM); Clear solution 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (9.54 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	m-Tyramine hydrobromide is an endogenous trace amine neuromodulator. m-Tyramine hydrobromide has effects on the adrenergic and dopaminergic receptor ^[1, 2] .
--------------------	--

REFERENCES

[1]. 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.

[2]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA