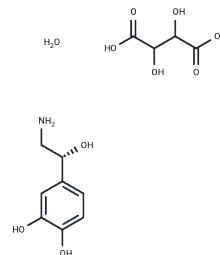


Noradrenaline bitartrate

Chemical Properties

CAS No. :	69815-49-2
Formula:	C ₈ H ₁₁ NO ₃ .1:1C ₄ H ₆ O ₆
Molecular Weight:	319.26
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Norepinephrine bitartrate acts directly on the α - and β -adrenergic receptors. Norepinephrine Bitartrate is a bitartrate salt of norepinephrine, a synthetic phenylethylamine that mimics the sympathomimetic actions of the endogenous norepinephrine. Clinically, norepinephrine is used as a peripheral vasoconstrictor that causes constriction of arterial and venous beds via its alpha-adrenergic action. It is also used as a potent inotropic and chronotropic stimulator of the heart mediated through its beta-1 adrenergic action.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	DMSO: 55 mg/mL (172.27 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	3.1322 mL	15.6612 mL	31.3224 mL
5 mM	0.6264 mL	3.1322 mL	6.2645 mL
10 mM	0.3132 mL	1.5661 mL	3.1322 mL
50 mM	0.0626 mL	0.3132 mL	0.6264 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.

Reference

Lachnit WG, et al. Br J Pharmacol. 1997 Mar;120(5):819-26.

Han M, Kang F, Yang C, et al. A comparative study of serotonin and norepinephrine as adjuncts to improve cutaneous antinociception of mexiletine in response to skin pinpricks in rats. International Journal of Immunopathology and Pharmacology. 2021, 35: 20587384211016129.

Gao J, Xi B, Chen K, et al. The stress hormone norepinephrine increases the growth and virulence of *Aeromonas hydrophila*. MicrobiologyOpen. 2019, 8(4): e00664.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481