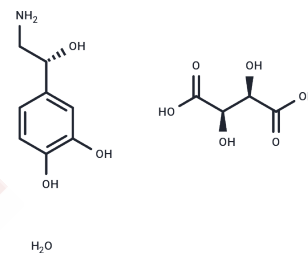


Noradrenaline bitartrate

Chemical Properties

CAS No. :	69815-49-2
Formula:	C ₁₂ H ₁₉ NO ₁₀
Molecular Weight:	337.28
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	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: 127.5 mg/mL (378.02 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	2.9649 mL	14.8245 mL	29.649 mL
5 mM	0.593 mL	2.9649 mL	5.9298 mL
10 mM	0.2965 mL	1.4824 mL	2.9649 mL
50 mM	0.0593 mL	0.2965 mL	0.593 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

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.

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

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[J]. International Journal of Immunopathology and Pharmacology. 2021, 35: 20587384211016129.

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