



LKT Laboratories, Inc.

L-(-)-Norepinephrine Bitartrate Monohydrate

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Product Information

Product ID N5766

CAS No. [108341-18-0]

Chemical Name 4-[(1R)-2-Amino-1-hydroxyethyl]-1,2-benzenediol d-Bitartrate

Synonym Norepinephrine d-Bitartrate, Levarterenol bitartrate, L-Noradrenaline

Formula C₈H₁₁NO₃ • C₄H₆O₆ • H₂O

Formula Wt. 337.28

Melting Point 102-104 °C

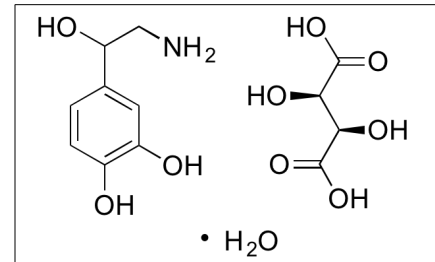
Purity ≥98%

Solubility Soluble in water (400 mg/mL). Slightly soluble in ethanol (3 mg/mL).

Store Temp Ambient

Ship Temp Ambient

Description Norepinephrine is a hormone and neurotransmitter that modulates sympathetic nervous system activity and plays a role in modulating reward, reinforcement, feeding, and other behaviors. Norepinephrine exhibits vasoconstrictive, pro-angiogenic, and thermoregulatory activities. Norepinephrine is clinically used to treat cardiac arrest, severe hypotension, and shock. This compound acts as an agonist at α- and β-adrenergic receptors, inducing vascular vasoconstriction, decreasing blood flow, and increasing blood pressure. In vitro, norepinephrine increases expression of VEGF and stimulates choroidal neovascularization. This compound also decreases code body temperature.



Bulk quantities available upon request

| Product ID | Size |
|------------|--------|
| N5766 | 500 mg |
| N5766 | 1 g |

References Lavine JA, Sang Y, Wang S, et al. Attenuation of choroidal neovascularization by β(2)-adrenoreceptor antagonism. *JAMA Ophthalmol.* 2013 Mar;131(3):376-82. PMID: 23303344.

Liang MJ, He LC, Yang GD. Screening, analysis and in vitro vasodilatation of effective components from Ligusticum Chuanxiong. *Life Sci.* 2005 Nov 26;78(2):128-33. PMID: 16154159.

Weiser M, Hilz MJ, Bronfin L, et al. Assessing microcirculation in familial dysautonomia by laser Doppler flowmeter. *Clin Auton Res.* 1998 Feb;8(1):13-23. PMID: 9532416.

Laudenslager ML. The influence of hypothalamic temperature on some thermoregulatory effects of hypothalamic injections of norepinephrine. *Pharmacol Biochem Behav.* 1976 Dec;5(6):713-6. PMID: 828727.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.