

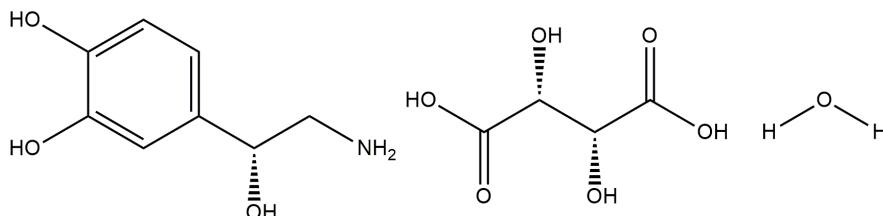
# L-(–)-Norepinephrine bitartrate hydrate

12/20

**ALTERNATE NAMES:** 4-[(1R)-2-amino-1-hydroxyethyl]benzene-1,2-diol;(2R,3R)-2,3-dihydroxybutanedioic acid;hydrate; L-Noradrenaline bitartrate monohydrate; 1,2-Benzenediol, 4-[(1R)-2-amino-1-hydroxyethyl]-, (2R,3R)-2,3-dihydroxybutanedioate hydrate; Levarterenol bitartrate monohydrate

**CATALOG #:** B3089-50 50 mg  
B3089-100 100 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>12</sub>H<sub>19</sub>NO<sub>10</sub>

**MOLECULAR WEIGHT:** 337.28

**CAS NUMBER:** 108341-18-0

**APPEARANCE:** White solid

**PURITY:** ≥ 95%

**SOLUBILITY:** ~10 mg/ml in DMF or PBS, pH 7.2  
~ 25 mg/ml in DMSO

**DESCRIPTION:** Norepinephrine is a catecholamine hormone that functions as an adrenergic neurotransmitter. It increases heart rate, blood pressure, alertness and triggers the release of glucose. The levels of norepinephrine increase during the fight-or-flight response. It is an agonist of adrenergic receptors with K<sub>i</sub> values of 330 nM and 56 nM for α<sub>1</sub> and α<sub>2A</sub> adrenoceptors respectively.

**STORAGE TEMPERATURE:** -20 °C. Protect from air. Store under desiccating conditions.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**REFERENCE:** Ramos, B.P., Arnsten, A.F.T. Adrenergic pharmacology and cognition: focus on the prefrontal cortex. 113(3):523-36 (2007).

**RELATED PRODUCTS:**

Dexmedetomidine (Cat. No. B3083)  
 Guanfacine hydrochloride (Cat. No. B2990)  
 Conessine (Cat. No. B2772)  
 Prazosin (Cat. No. B3055)  
 L-755,507 (Cat. No. B1116)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*