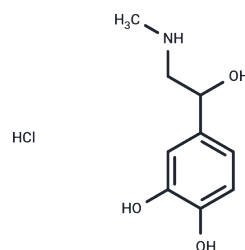


DL-Adrenaline Hydrochloride

Chemical Properties

CAS No. : 329-63-5
 Formula: C₉H₁₃NO₃·HCl
 Molecular Weight: 219.67
 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	DL-Adrenaline Hydrochloride is the hydrochloride salt of the naturally occurring sympathomimetic amine with vasoconstricting, intraocular pressure-reducing activities.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	DMSO: 128 mg/mL (582.69 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---------------------------------------------------------------------------------------------------------------------------

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5523 mL	22.7614 mL	45.5228 mL
5 mM	0.9105 mL	4.5523 mL	9.1046 mL
10 mM	0.4552 mL	2.2761 mL	4.5523 mL
50 mM	0.091 mL	0.4552 mL	0.9105 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

Leineweber K, et al. Naunyn Schmiedebergs Arch Pharmacol. 2007 Jul;375(5):303-9.

Xu H R, Yang Q, Xiang S Y, et al. Rosuvastatin Enhances Alveolar Fluid Clearance in Lipopolysaccharide-Induced Acute Lung Injury by Activating the Expression of Sodium Channel and Na, K-ATPase via the PI3K/AKT/Nedd4-2 Pathway. Journal of Inflammation Research. 2021, 14: 1537

Chen Y, Chen L, Wu Y, et al. Highly sensitive determination of dopamine based on the aggregation of small-sized gold nanoparticles. Microchemical Journal. 2019, 147: 955-961

Xu H R, Yang Q, Xiang S Y, et al. Rosuvastatin Enhances Alveolar Fluid Clearance in Lipopolysaccharide-Induced Acute Lung Injury by Activating the Expression of Sodium Channel and Na, K-ATPase via the PI3K/AKT/Nedd4-2 Pathway[J]. Journal of Inflammation Research. 2021, 14: 1537

Han M, Kang F, Yang C, et al. Comparison of Adrenaline and Dexmedetomidine in Improving the Cutaneous Analgesia of Mexiletine in Response to Skin Pinpricks in Rats[J]. Pharmacology. 2020: 1-7.

Han M, Kang F, Yang C, et al. Comparison of Adrenaline and Dexmedetomidine in Improving the Cutaneous Analgesia of Mexiletine in Response to Skin Pinpricks in Rats. Pharmacology. 2020: 1-7.

Chen Y, Chen L, Wu Y, et al. Highly sensitive determination of dopamine based on the aggregation of small-sized gold nanoparticles[J]. Microchemical Journal. 2019, 147: 955-961.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481