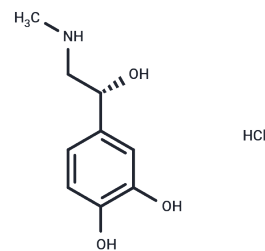


Epinephrine HCl

Chemical Properties

CAS No. :	55-31-2
Formula:	C ₉ H ₁₄ ClNO ₃
Molecular Weight:	219.67
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Epinephrine HCl is a hormone and neurotransmitter secreted by the adrenal medulla. It acts as a dose-dependent agonist of α -adrenergic and β -adrenergic receptors, regulating the sympathetic nervous system to enhance vasoconstriction, bronchial dilation, and cardiac activity.
Targets(IC50)	Endogenous Metabolite, Adrenergic Receptor

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

Luo W, et al. Boronate affinity paper spray mass spectrometry for determination of elevated levels of catecholamines in urine. *Anal Chim Acta*. 2022 Dec 1;1235:340508.

Feng S, et al. One-pot synthesis of nano Zr-based metal-organic frameworks for fluorescence determination of quercetin and Hg²⁺. *Food Chem*. 2024 Jan 30;432:137173.

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