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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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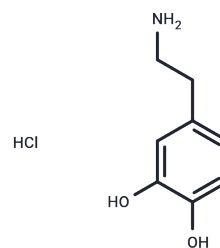
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Dopamine hydrochloride

Chemical Properties

CAS No. :	62-31-7
Formula:	C ₈ H ₁₂ ClNO ₂
Molecular Weight:	189.639
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Dopamine hydrochloride (ASL279) is a naturally occurring catecholamine formed by decarboxylation of dihydroxyphenylalanine and a precursor of norepinephrine and epinephrine. Dopamine hydrochloride binds to alpha-1- and beta-1- adrenergic receptors.
Targets(IC50)	Ferroptosis,Dopamine Receptor,5-HT Receptor,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 55 mg/mL (290.02 mM), H ₂ O: 19 mg/mL (100 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.2731 mL	26.3657 mL	52.7315 mL
5 mM	1.0546 mL	5.2731 mL	10.5463 mL
10 mM	0.5273 mL	2.6366 mL	5.2731 mL
50 mM	0.1055 mL	0.5273 mL	1.0546 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.

Reference

Xu J, Su W, Li Z, et al. A modularized and flexible sensor based on MWCNT/PDMS composite film for on-site electrochemical analysis. Journal of Electroanalytical Chemistry. 2017 Dec;806: 68-74.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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