Data Sheet (Cat.No.T0948)

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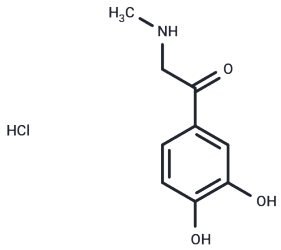
Adrenalone hydrochloride

Chemical Properties



CAS No. : 62-13-5

Formula: C9H11NO3·HCl

Molecular Weight: 217.65

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Adrenalone hydrochloride (Adrenalone HCl) is a dopamine β-oxidase inhibitor with a similar structure to the norepinephrine transporter (NET) ligand, with an IC50 of 36.9 μM. It is an adrenergic agonist that acts as a local vasoconstrictor and hemostatic agent.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 41 mg/mL (188.4 mM), H2O: 40 mg/mL (183.8 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5945 mL	22.9727 mL	45.9453 mL
5 mM	0.9189 mL	4.5945 mL	9.1891 mL
10 mM	0.4595 mL	2.2973 mL	4.5945 mL
50 mM	0.0919 mL	0.4595 mL	0.9189 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

Goldstein M, et al. Nature, 1961, 192, 1081.
Bors W, et al. Journal of Physical Chemistry, 1979, 83(19), 2447-2452.

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481