

LUN42518 HCl 47142-51-8(free base)

Chemical Properties

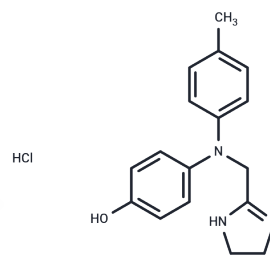
CAS No. :

Formula: C₁₇H₂₀ClN₃O

Molecular Weight: 317.81

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	LUN42518 HCl is an analogue of phentolamine. Phentolamine is a nonselective alpha-adrenergic antagonist.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	DMSO: 22.5 mg/mL (70.8 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1465 mL	15.7327 mL	31.4653 mL
5 mM	0.6293 mL	3.1465 mL	6.2931 mL
10 mM	0.3147 mL	1.5733 mL	3.1465 mL
50 mM	0.0629 mL	0.3147 mL	0.6293 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

J.A. Parihar, et al. Alkylation of diphenylamines with chloroacetonitrile: a new entry to phentolamine analogues. Journal of Chemical Research (2004), (3), 220-222.

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