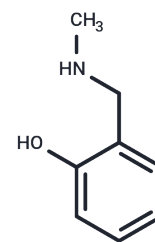


N-methyl-2-HOBA (hydrochloride)

Chemical Properties

CAS No. :	63989-87-7
Formula:	C ₈ H ₁₂ ClNO
Molecular Weight:	173.64
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

HCl



Biological Description

Description	N-methyl-2-HOBA is a methylated form of the isoketal scavenger 2-HOBA .It has low reactivity with isoketals and has no effect on hypertension induced by angiotensin II . N-methyl-2-HOBA has been used as a negative control for the activity of 2-HOBA in a mouse model of hypertension.
Targets(IC50)	Others,ROS

Solubility Information

Solubility	DMSO: 50 mg/mL (287.95 mM),Sonication is recommended. PBS (pH 7.2): 10 mg/mL (57.59 mM),Sonication is recommended. DMF: 50 mg/mL (287.95 mM),Sonication is recommended. Ethanol: 20 mg/mL (115.18 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	5.759 mL	28.7952 mL	57.5904 mL
5 mM	1.1518 mL	5.759 mL	11.5181 mL
10 mM	0.5759 mL	2.8795 mL	5.759 mL
50 mM	0.1152 mL	0.5759 mL	1.1518 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

Kirabo, A., Fontana, V., de Faria, A.P.C., et al. DC isoketal-modified proteins activate T cells and promote hypertension. *J. Clin. Invest.* 124(10):4642-4656(2014)

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