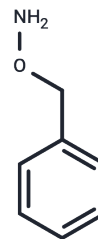


O-Benzylhydroxylamine (hydrochloride)

Chemical Properties

CAS No. :	2687-43-6
Formula:	C7H10ClNO
Molecular Weight:	159.61
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	O-Benzylhydroxylamine is a building block. ^{1,2} It has been used in the synthesis of β -lactam inhibitor precursors and fluoroquinolone derivatives with antibiotic activity.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 10 mg/mL (62.65 mM),Sonication is recommended. DMF: 5 mg/mL (31.33 mM),Sonication is recommended. PBS (pH 7.2): 1 mg/mL (6.27 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1 mg/mL (6.27 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.2653 mL	31.3264 mL	62.6527 mL
5 mM	1.2531 mL	6.2653 mL	12.5305 mL
10 mM	0.6265 mL	3.1326 mL	6.2653 mL
50 mM	0.1253 mL	0.6265 mL	1.2531 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

Belletini, J.R., and Miller, M.J. A short synthesis of an important precursor to a new class of bicyclic β -lactamase inhibitors. *Tetrahedron Lett.* 38(2)167-168(1997)

Asadipour, A., Moshafi, M.H., Khosravani, L., et al. N-substituted piperazinyl sarafloxacin derivatives: synthesis and in vitro antibacterial evaluation. *Daru.* 26(2)199-207(2018)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481