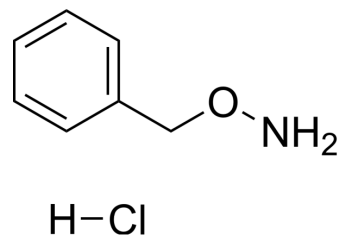


O-Benzylhydroxylamine hydrochloride

Cat. No.:	HY-41915
CAS No.:	2687-43-6
Molecular Formula:	C ₇ H ₁₀ ClNO
Molecular Weight:	159.61
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (626.53 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		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	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (15.66 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	O-Benzylhydroxylamine hydrochloride is a biochemical reagent that can be used as a biological material or organic compound for life science related research.
In Vitro	O-Benzylhydroxylamine is a building block. It has been used in the synthesis of β-lactam inhibitor precursors and fluoroquinolone derivatives with antibiotic activity. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Bellettini, JR, and Miller, MJA short synthesis of an important precursor to a new class of bicyclic β-lactamase inhibitors Tetrahedron Lett.38(2)167-168(1997)
- [2]. Asadipour, A., Moshafi, MH, Khosravani, L., et al.N-substituted piperazinyl sarafloxacin derivatives: synthesis and in vitro antibacterial evaluation Daru.26(2)199-

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA