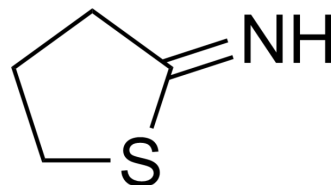


2-Iminothiolane hydrochloride

Cat. No.:	HY-W015798
CAS No.:	4781-83-3
Molecular Formula:	C ₄ H ₈ ClNS
Molecular Weight:	137.63
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)



HCl

SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (726.59 mM; Need ultrasonic)
DMSO : 14.29 mg/mL (103.83 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	7.2659 mL	36.3293 mL	72.6586 mL
	5 mM	1.4532 mL	7.2659 mL	14.5317 mL
	10 mM	0.7266 mL	3.6329 mL	7.2659 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 0.83 mg/mL (6.03 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 0.83 mg/mL (6.03 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 0.83 mg/mL (6.03 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

2-Iminothiolane hydrochloride is a reagent for the introduction of sulphhydryl groups into oligosaccharides derived from asparagine-linked glycans^[1].

REFERENCES

[1]. A L Tarentino, et al. 2-Iminothiolane: a reagent for the introduction of sulphhydryl groups into oligosaccharides derived from asparagine-linked glycans. Glycobiology.

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