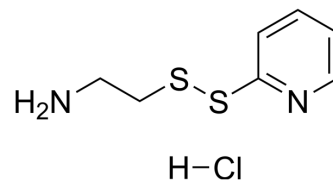


2-(Pyridyldithio)ethylamine hydrochloride

Cat. No.:	HY-101794
CAS No.:	106139-15-5
Molecular Formula:	C ₇ H ₁₁ ClN ₂ S ₂
Molecular Weight:	222.76
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

H₂O : 50 mg/mL (224.46 mM; Need ultrasonic)
 DMSO : ≥ 32 mg/mL (143.65 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.4891 mL	22.4457 mL	44.8914 mL
	5 mM	0.8978 mL	4.4891 mL	8.9783 mL
	10 mM	0.4489 mL	2.2446 mL	4.4891 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 100 mg/mL (448.91 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (11.22 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (11.22 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (11.22 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

2-(Pyridyldithio)ethylamine hydrochloride is a novel disulfide intercalating cross-linking reagent.

In Vitro

2-(Pyridyldithio)ethylamine hydrochloride can be used in the preparation of a drug-octreotide conjugate^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Anal Chem. 2018 Oct 2;90(19):11333-11339.
- Bioorg Chem. 2023 Mar 20;135:106485.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Lelle M, et al. Octreotide-Mediated Tumor-Targeted Drug Delivery via a Cleavable Doxorubicin-Peptide Conjugate. Mol Pharm. 2015 Dec 7;12(12):4290-300.

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