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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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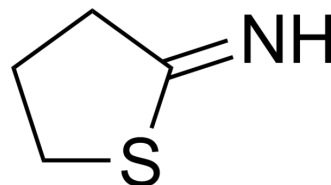
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2-Iminothiolane hydrochloride

| | |
|---------------------------|--|
| 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.

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