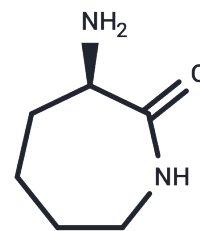


D-Lysine lactam

Chemical Properties

CAS No. :	28957-33-7
Formula:	C ₆ H ₁₂ N ₂ O
Molecular Weight:	128.17
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	D-Lysine lactam is a chiral compound suitable for biochemical experiments and drug synthesis research.
Targets(IC50)	Others

Solubility Information

Solubility	DMF: 15 mg/mL (117.03 mM), Sonication is recommended. DMSO: 15 mg/mL (117.03 mM), Sonication is recommended. PBS (pH 7.2): 5 mg/mL (39.01 mM), Sonication is recommended. Ethanol: 15 mg/mL (117.03 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.8021 mL	39.0107 mL	78.0214 mL
5 mM	1.5604 mL	7.8021 mL	15.6043 mL
10 mM	0.7802 mL	3.9011 mL	7.8021 mL
50 mM	0.156 mL	0.7802 mL	1.5604 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

Kumar, A., et al. Catalytic reduction: Efficient synthesis of chiral key intermediate of besifloxacin hydrochlorideDer Pharma Chemica7(9)297-3000(2015).

Angelucci L, et al. Synthesis and amnesia-reversal activity of a series of 7- and 5-membered 3-acylamino lactams. J Med Chem. 1993 May 28;36(11):1511-9.

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