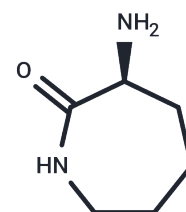


L-Lysine lactam (hydrochloride)

Chemical Properties

CAS No. :	26081-07-2
Formula:	C ₆ H ₁₃ ClN ₂ O
Molecular Weight:	164.63
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

HCl



Biological Description

Description	L-lysine lactam is a building block. ^{1,2} It has been used in the synthesis of lysine sulfonamide HIV protease inhibitors, as well as bengamide derivatives within vitroanticancer activity.
Targets(IC50)	Others

Solubility Information

Solubility	PBS (pH 7.2): 10 mg/mL (60.74 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	6.0742 mL	30.3711 mL	60.7423 mL
5 mM	1.2148 mL	6.0742 mL	12.1485 mL
10 mM	0.6074 mL	3.0371 mL	6.0742 mL
50 mM	0.1215 mL	0.6074 mL	1.2148 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

- Stranix, B.R., Lavallée, J.-F., Sévigny, G., et al.Lysine sulfonamides as novel HIV-protease inhibitors: N?-Acyl aromatic -amino acidsBioorg. Med. Chem. Lett.16(13)3459-3462(2006)
- Phi, T.D., Mai, H.D.T., Tran, V.H., et al.Design, synthesis and cytotoxicity of bengamide analogues and their epimersMedchemcomm.8(2)445-451(2016)

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