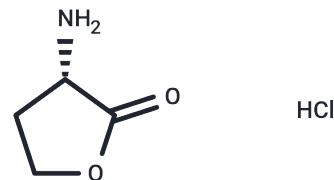


L-Homoserine lactone (hydrochloride)

Chemical Properties

CAS No. : 2185-03-7
Formula: C₄H₈ClNO₂
Molecular Weight: 137.57
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	L-Homoserine lactone is a synthetic intermediate. ^{1,2} It has been used in the synthesis of organoselenium chemistry intermediates and analogs of bacterial quorum-sensing signaling molecules.
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Solubility Information

Solubility	PBS (pH 7.2): 10 mg/mL DMSO: 10 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.269 mL	36.3451 mL	72.6903 mL
5 mM	1.4538 mL	7.269 mL	14.5381 mL
10 mM	0.7269 mL	3.6345 mL	7.269 mL
50 mM	0.1454 mL	0.7269 mL	1.4538 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.

Reference

Koch, T., and Buchardt, O. Synthesis of L-(+)-selenomethionine Synthesis 1065-1067 (1993)
Chhabra, S.R., Harty, C., Hooi, D.S.W., et al. Synthetic analogues of the bacterial signal (quorum sensing)

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