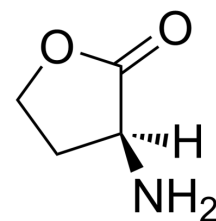


L-Homoserine lactone hydrochloride

Cat. No.:	HY-W015800		
CAS No.:	2185-03-7		
Molecular Formula:	C ₄ H ₈ ClNO ₂		
Molecular Weight:	137.56		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



HCl

SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (726.96 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	7.2696 mL	36.3478 mL	72.6956 mL
	5 mM	1.4539 mL	7.2696 mL	14.5391 mL
	10 mM	0.7270 mL	3.6348 mL	7.2696 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: ≥ 2.5 mg/mL (18.17 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (18.17 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (18.17 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

L-Homoserine lactone hydrochloride is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

REFERENCES

- [1]. Koch, T., and Buchardt, O. Synthesis of L-(+)-selenomethionine. *Synthesis* 1065-1067 (1993)

[2]. Chhabra, SR, Harty, C., Hooi, DSW, et al. Synthetic analogues of the bacterial signal (quorum seeing) molecule N-(3-oxododecanoyl)-L-homoserine lactone as immune modulators J. Med. Chem. 46(1) 97-104(2003)

Caution: Product has not been fully validated for medical applications. For research use only.

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