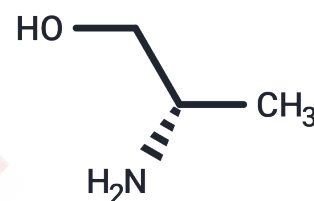


L-Alaninol

Chemical Properties

CAS No. :	2749-11-3
Formula:	C ₃ H ₉ NO
Molecular Weight:	75.11
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	L-Alaninol (2-Aminopropanol) is a pharmaceutical intermediate used in the manufacture of Ofloxacin.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	13.3138 mL	66.569 mL	133.1381 mL
5 mM	2.6628 mL	13.3138 mL	26.6276 mL
10 mM	1.3314 mL	6.6569 mL	13.3138 mL
50 mM	0.2663 mL	1.3314 mL	2.6628 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

- de Azevedo Wäsch SI, et al. Transformation of isopropylamine to L-alaninol by Pseudomonas sp. strain KIE171 involves N-glutamylated intermediates. *Appl Environ Microbiol.* 2002 May;68(5):2368-75.
- Sivaramakrishna D, et al. Synthesis, characterization and thermotropic phase behavior of a homologous series of N-acyl-L-alaninols and interaction of N-myristoyl L-alaninol with dimyristoylphosphatidylcholine. *Chem Phys Lipids.* 2016 Mar;196:5-12.
- Bruneteau M, et al. Synthèse du L-alaninol à partir d'extraits acellulaires de Mycobacterium avium. *FEBS Lett.* 1971 Apr 12;14(1):57-60. French.
- Landau O, et al. Amino acid alcohols: growth inhibition and induction of differentiated features in melanoma cells. *Cancer Lett.* 1993 May 14;69(3):203-8.

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