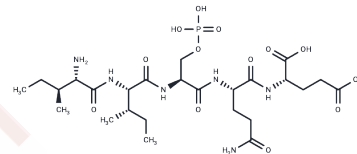


Alphostatin

Chemical Properties

CAS No. :	90119-88-3
Formula:	C ₂₅ H ₄₅ N ₆ O ₁₃ P
Molecular Weight:	668.638
Storage:	Keep away from moisture 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	Alphostatin is an alkaline phosphatase inhibitor isolated from <i>Bacillus megaterium</i> .
Targets(IC50)	Others,Phosphatase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4956 mL	7.4779 mL	14.9557 mL
5 mM	0.2991 mL	1.4956 mL	2.9911 mL
10 mM	0.1496 mL	0.7478 mL	1.4956 mL
50 mM	0.0299 mL	0.1496 mL	0.2991 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

Kojiri K, Morishima H, Yamamoto T, Aoyagi T, Takeuchi T, Umezawa H. Structure determination of alphostatin, a novel alkaline phosphatase inhibitor. *J Antibiot (Tokyo)*. 1989 Mar;42(3):489-90. PubMed PMID: 2708145.
Aoyagi T, Morishima H, Kojiri K, Yamamoto T, Kojima F, Nagaoka K, Hamada M, Takeuchi T, Umezawa H. Alphostatin, an inhibitor of alkaline phosphatase of bovine liver produced by *Bacillus megaterium*. *J Antibiot (Tokyo)*. 1989 Mar;42(3):486-8. PubMed PMID: 2496067.

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