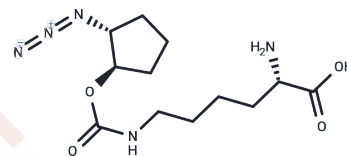


ACPK

Chemical Properties

CAS No. : 1304056-21-0
 Formula: C₁₂H₂₁N₅O₄
 Molecular Weight: 299.33
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	ACPK [Nε-[(2S,3S)-3-hydroxy-2,3-dihydroxy-5-(phosphonoamido)pentanamide]-L-lysine] is a lysine derivative with a phosphono moiety. This amino acid was identified in the antimicrobial peptide produced by the bacterium [Bacillus polymyxa].
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3408 mL	16.704 mL	33.4079 mL
5 mM	0.6682 mL	3.3408 mL	6.6816 mL
10 mM	0.3341 mL	1.6704 mL	3.3408 mL
50 mM	0.0668 mL	0.3341 mL	0.6682 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

Yang M, et al. Biocompatible click chemistry enabled compartment-specific pH measurement inside E. coli. Nat Commun. 2014 Sep 19;5:4981.

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