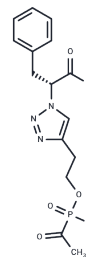


D-PheTrAP

Chemical Properties

CAS No. :	2241298-26-8
Formula:	C ₁₅ H ₁₈ N ₃ O ₆ P
Molecular Weight:	367.294
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	D-PheTrAP is a bisubstrate analog inhibitor of 1-deoxy-d-xylulose 5-phosphate synthase (DXPS). It inhibits Escherichia coli DXPS (EcDXPS) and Pseudomonas aeruginosa DXPS (PaDXPS) with IC ₅₀ values of 0.52 μM, 2.1 μM, 2.4 μM, and 1.7 μM for wild-type (WT) EcDXPS, EcA426E, WT PaDXPS, and PaE431A, respectively.
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7226 mL	13.6132 mL	27.2264 mL
5 mM	0.5445 mL	2.7226 mL	5.4453 mL
10 mM	0.2723 mL	1.3613 mL	2.7226 mL
50 mM	0.0545 mL	0.2723 mL	0.5445 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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