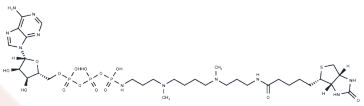
Data Sheet (Cat.No.T17454)

TargetMol

ATP-polyamine-biotin

Chemical Properties



CAS No. : 1800401-93-7

Formula: C32H58N11O14P3S

Molecular Weight: 945.86

Storage: Keep away from direct sunlight
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	ATP-polyamine-biotin is a cell-permeable, efficient kinase cosubstrate with conversions and kinetics similar to those of other known ATP analogues. APB shows a cytotoxicity EC50 value of 19 ± 1 mM. ATP-polyamine-biotin is shown to promote biotin labeling of kinase substrates in live cells and has future applications in phosphoprotein purification and analysis. APB is cell-permeable and nontoxic at low mM concentrations, with cell penetration and labeling dependent on the polyamine linker.
Targets(IC50)	Others,PROTAC Linker

Solubility Information

Solubility	H2O: 6 mg/mL (6.34 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0572 mL	5.2862 mL	10.5724 mL
5 mM	0.2114 mL	1.0572 mL	2.1145 mL
10 mM	0.1057 mL	0.5286 mL	1.0572 mL
50 mM	0.0211 mL	0.1057 mL	0.2114 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

Fouda AE, Pflum MK. A Cell-Permeable ATP Analogue for Kinase-Catalyzed Biotinylation. Angew Chem Int Ed Engl. 2015 Aug 10;54(33):9618-21.

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