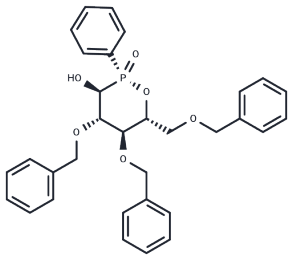
Data Sheet (Cat.No.T202996)

TargetMol

PST3.1a

Chemical Properties



CAS No. : 1096144-06-7

Formula: C32H33O6P

Molecular Weight: 544.57

Storage: Store at low temperature
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	PST3.1a is a selective inhibitor of Mannoside acetyl glucosaminyltransferase 5 (MGAT5), used for studying glioblastoma multiforme (GBM). PST3.1a inhibits TGF-βR and FAK signalling associated with doublecortin (DCX), increases OLIG2 expression, and suppresses the invasion and proliferation of GBM initiator cells (GICs).
Targets(IC50)	FAK,Others,Acyltransferase,TGF-beta/Smad,Transferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8363 mL	9.1816 mL	18.3631 mL
5 mM	0.3673 mL	1.8363 mL	3.6726 mL
10 mM	0.1836 mL	0.9182 mL	1.8363 mL
50 mM	0.0367 mL	0.1836 mL	0.3673 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

Hassani Z, et al. Phostine PST3.1a Targets MGAT5 and Inhibits Glioblastoma-Initiating Cell Invasiveness and Proliferation. Mol Cancer Res. 2017;15(10):1376-1387.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481