

PS423

Chemical Properties

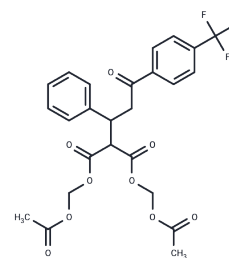
CAS No. : 1221964-37-9

Formula: C₂₅H₂₃F₃O₉

Molecular Weight: 524.44

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	PS423 (PS210AM) is a substrate-selective inhibitor of PDK1 and a selective PDK1 activator that inhibits the phosphorylation and activation of S6K, and is used in the study of endocrine and metabolic disorders.
Targets(IC50)	CDK,PDK

Solubility Information

Solubility	DMSO: 100 mg/mL (190.68 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9068 mL	9.534 mL	19.068 mL
5 mM	0.3814 mL	1.9068 mL	3.8136 mL
10 mM	0.1907 mL	0.9534 mL	1.9068 mL
50 mM	0.0381 mL	0.1907 mL	0.3814 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

Busschots K, Lopez-Garcia LA, Lammi C, Stroba A, Zeuzem S, Piiper A, Alzari PM, Neimanis S, Arencibia JM, Engel M, Schulze JO, Biondi RM. Substrate-selective inhibition of protein kinase PDK1 by small compounds that bind to the PIF-pocket allosteric docking site. Chem Biol. 2012 Sep 21;19(9):1152-63.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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