

(R)-PS210

Chemical Properties

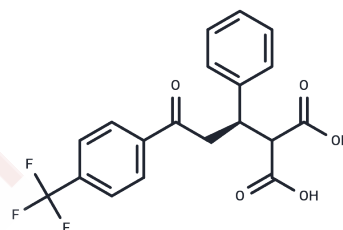
CAS No. : 1410101-89-1

Formula: C₁₉H₁₅F₃O₅

Molecular Weight: 380.31

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	(R)-PS210, the R enantiomer of PS210, is a substrate-selective allosteric PDK1 activator with an (AC ₅₀ of 1.8 μM).
Targets(IC ₅₀)	Others,PDK
In vitro	(R)-PS210 displays an AC ₅₀ value of 1.8 μM towards PDK1 in a Cell-Free Kinase Activity Assay.The maximum activation of PDK1 compared to DMSO control of (R)-PS210 is 5.5 fold.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6294 mL	13.1472 mL	26.2943 mL
5 mM	0.5259 mL	2.6294 mL	5.2589 mL
10 mM	0.2629 mL	1.3147 mL	2.6294 mL
50 mM	0.0526 mL	0.2629 mL	0.5259 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

Wilhelm A, et al. 2-(3-Oxo-1,3-diphenylpropyl)malonic acids as potent allosteric ligands of the PIF pocket of phosphoinositide-dependent kinase-1: development and prodrug concept.J Med Chem. 2012 Nov 26;55(22):9817-30.

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