

PDK4-IN-2

Chemical Properties

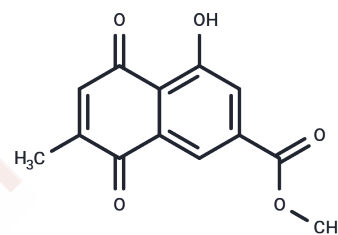
CAS No. : 1616752-12-5

Formula: C₁₃H₁₀O₅

Molecular Weight: 246.22

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	PDK4-IN-2 (compound 8), a pyruvate dehydrogenase kinase 4 (PDK4) inhibitor, exhibits an inhibition concentration (IC ₅₀) of 46 μM. By regulating bioenergetics and activating the tricarboxylic acid cycle [1], it enhances the ejection fraction in failing hearts.
Targets(IC ₅₀)	Dehydrogenase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0614 mL	20.307 mL	40.6141 mL
5 mM	0.8123 mL	4.0614 mL	8.1228 mL
10 mM	0.4061 mL	2.0307 mL	4.0614 mL
50 mM	0.0812 mL	0.4061 mL	0.8123 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

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