

PKMYT1-IN-1

Chemical Properties

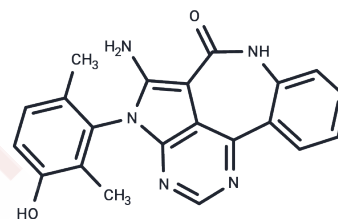
CAS No. : 3033609-83-2

Formula: C₂₁H₁₇N₅O₂

Molecular Weight: 371.39

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	PKMYT1-IN-1 (Compound 1), a potent inhibitor of the membrane-associated tyrosine and threonine kinase (PKMYT1), exhibits an IC ₅₀ of 8.8 nM. This compound effectively inhibits the proliferation of the tumor cell line HCC1569, with an IC ₅₀ of 42 nM [1].
Targets(IC ₅₀)	Others,Wee1

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6926 mL	13.4629 mL	26.9259 mL
5 mM	0.5385 mL	2.6926 mL	5.3852 mL
10 mM	0.2693 mL	1.3463 mL	2.6926 mL
50 mM	0.0539 mL	0.2693 mL	0.5385 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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