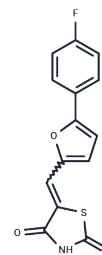


CAY10505

Chemical Properties

CAS No. : 1218777-13-9
 Formula: C₁₄H₈FNO₃S
 Molecular Weight: 289.28
 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	CAY10505, a form of dehydroxyl of AS-252424, is a PI3K inhibitor (IC ₅₀ : 33 nM).
Targets(IC ₅₀)	Apoptosis,PI3K

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 8 mg/mL (27.65 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	3.4569 mL	17.2843 mL	34.5686 mL
5 mM	0.6914 mL	3.4569 mL	6.9137 mL
10 mM	0.3457 mL	1.7284 mL	3.4569 mL
50 mM	0.0691 mL	0.3457 mL	0.6914 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

Tyagi S, Sharma S, Budhiraja RD.Can J Physiol Pharmacol. 2012 Jul;90(7):881-5.

Huang Q, Ru Y, Luo Y, et al.Identification of a targeted ACSL4 inhibitor to treat ferroptosis-related diseases.Science Advances.2024, 10(13): eadk1200.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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