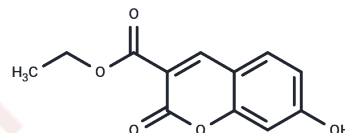


YZ9

Chemical Properties

CAS No. : 6093-71-6
 Formula: C₁₂H₁₀O₅
 Molecular Weight: 234.2
 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	YZ9 is a potent PFKFB3 inhibitor with an IC ₅₀ of 0.183 μM, acting as a competitive inhibitor against Fru-6-P with a K _i of 0.094 μM[1].
Targets(IC ₅₀)	Others,Glucokinase,Phosphatase
In vitro	YZ9 inhibits the HeLa cell growth with a GI ₅₀ of 2.7 μM[1].

Solubility Information

Solubility	DMSO: 20 mg/mL (85.4 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	4.2699 mL	21.3493 mL	42.6985 mL
5 mM	0.854 mL	4.2699 mL	8.5397 mL
10 mM	0.427 mL	2.1349 mL	4.2699 mL
50 mM	0.0854 mL	0.427 mL	0.854 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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