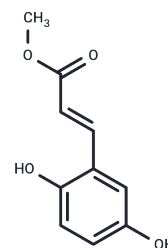


Methyl 2,5-dihydroxycinnamate

Chemical Properties

CAS No. :	63177-57-1
Formula:	C ₁₀ H ₁₀ O ₄
Molecular Weight:	194.18
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	Methyl 2,5-dihydroxycinnamate is an inhibitor of EGF receptor-associated tyrosine kinases.
Targets(IC50)	EGFR

Solubility Information

Solubility	Ethanol: 10 mg/mL (51.5 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	5.1499 mL	25.7493 mL	51.4986 mL
5 mM	1.030 mL	5.1499 mL	10.2997 mL
10 mM	0.515 mL	2.5749 mL	5.1499 mL
50 mM	0.103 mL	0.515 mL	1.030 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

Sargeant P, Farndale RW, Sage SO. ADP- and thapsigargin-evoked Ca²⁺ entry and protein-tyrosine phosphorylation are inhibited by the tyrosine kinase inhibitors genistein and methyl-2,5-dihydroxycinnamate in fura-2-loaded human platelets. J Biol Chem. 1993 Aug 25;268(24):18151-6.

Sargeant P, Farndale RW, Sage SO. The tyrosine kinase inhibitors methyl 2,5-dihydroxycinnamate and genistein reduce thrombin-evoked tyrosine phosphorylation and Ca²⁺ entry in human platelets. FEBS Lett. 1993 Jan 11;315(3):242-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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