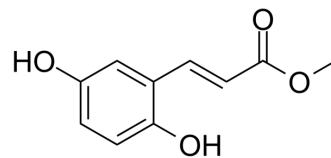


Methyl 2,5-dihydroxycinnamate

Cat. No.:	HY-101006		
CAS No.:	63177-57-1		
Molecular Formula:	C ₁₀ H ₁₀ O ₄		
Molecular Weight:	194.18		
Target:	EGFR		
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (643.73 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.1499 mL	25.7493 mL	51.4986 mL
	5 mM	1.0300 mL	5.1499 mL	10.2997 mL
	10 mM	0.5150 mL	2.5749 mL	5.1499 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Methyl 2,5-dihydroxycinnamate is an erbstatin analog and a stable, potent inhibitor of EGFR kinase activity^[1].

REFERENCES

[1]. Umezawa K, et al. Inhibition of epidermal growth factor-induced DNA synthesis by tyrosine kinase inhibitors. FEBS Lett. 1990 Jan 29;260(2):198-200.

Caution: Product has not been fully validated for medical applications. For research use only.

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