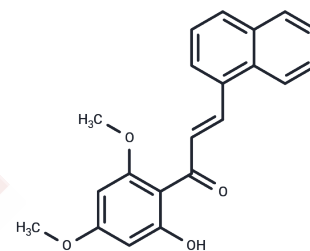


Flavokawain 1i

Chemical Properties

CAS No. :	1098176-51-2
Formula:	C ₂₁ H ₁₈ O ₄
Molecular Weight:	334.37
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	Flavokawain 1i, a derivative of chalcones flavokawain A, flavokawain B, and flavokawain C, exhibits anticancer and antiviral properties. At a concentration of 30 μ M, it suppresses the growth of gefitinib-resistant H1975 non-small cell lung cancer (NSCLC) cells by 36% and modulates the protein expression by reducing the levels of heat shock protein 90 (Hsp90) client proteins, including EGFR, c-Met, HER2, Akt, and cyclin-dependent kinase 4 (Cdk4), while increasing the levels of Hsp70, indicative of Hsp90 inhibition. Additionally, intramuscular injection of flavokawain 1i lowers viral loads in pigs afflicted with porcine reproductive and respiratory syndrome virus (PRRSV).
Targets(IC50)	Others,HSP

Solubility Information

Solubility	DMSO: 10 mg/mL (29.91 mM),Sonication is recommended. DMF: 10 mg/mL (29.91 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	2.9907 mL	14.9535 mL	29.907 mL
5 mM	0.5981 mL	2.9907 mL	5.9814 mL
10 mM	0.2991 mL	1.4953 mL	2.9907 mL
50 mM	0.0598 mL	0.2991 mL	0.5981 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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