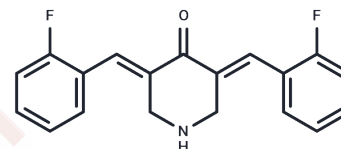


EF24

Chemical Properties

CAS No. : 342808-40-6
 Formula: C₁₉H₁₅F₂NO
 Molecular Weight: 311.33
 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	EF24 (3,5-Bis[(2-fluorophenyl)methylene]-4-piperidinone) treatment increases the levels of activated caspase 3 and 9, and decreases the phosphorylated forms of MEK1 and ERK. EF24 shows potent anti-tumor activity in oral squamous cell carcinoma (OSCC) via deactivation of the MAPK/ERK signaling pathway.
Targets(IC50)	Apoptosis,ERK,NF-κB,MEK,Caspase,p38 MAPK,ROS

Solubility Information

Solubility	DMSO: 25 mg/mL (80.3 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	3.212 mL	16.0601 mL	32.1203 mL
5 mM	0.6424 mL	3.212 mL	6.4241 mL
10 mM	0.3212 mL	1.606 mL	3.212 mL
50 mM	0.0642 mL	0.3212 mL	0.6424 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

- Lelli D, Pedone C, Sahebkar A. Curcumin and treatment of melanoma: The potential role of microRNAs. *Biomed Pharmacother.* 2017 Apr;88:832-834.
 Mosley CA, Liotta DC, Snyder JP. Highly active anticancer curcumin analogues. *Adv Exp Med Biol.* 2007;595:77-103.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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