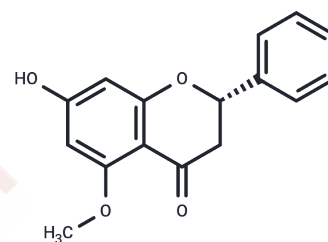


Alpinetin

Chemical Properties

CAS No. :	36052-37-6
Formula:	C ₁₆ H ₁₄ O ₄
Molecular Weight:	270.28
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Alpinetin ((-)-alpinetin) has antibacterial activity. Alpinetin has anti-inflammatory activity. Alpinetin can enhance the sensitivity of HepG2 hepatoma cells to the chemotherapeutic agent CDDP. Alpinetin has strong anti-hepatoma and pancreatic cancer cells effects, by inhibiting proliferation, regulating of the Bcl-2 family and XIAP expression, releasing of cytochrome c and activating caspases.
Targets(IC50)	Bcl-2 Family, PPAR

Solubility Information

Solubility	DMSO: 49 mg/mL (181.29 mM), Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6999 mL	18.4993 mL	36.9987 mL
5 mM	0.740 mL	3.6999 mL	7.3997 mL
10 mM	0.370 mL	1.8499 mL	3.6999 mL
50 mM	0.074 mL	0.370 mL	0.740 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.

Reference

- Guan S, et al. Immunosuppressive activity of alpinetin on activation and cytokines secretion of murine T lymphocytes. Immunopharmacol Immunotoxicol. 2014 Aug;36(4):290-6.
- Jiang Z, et al. Alpinetin enhances cholesterol efflux and inhibits lipid accumulation in oxidized low-density lipoprotein-loaded human macrophages. Biotechnol Appl Biochem. 2015 Nov-Dec;62(6):840-7.

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