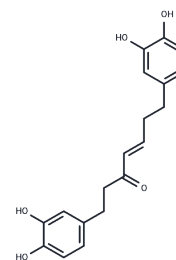


Hirsutenone

Chemical Properties

CAS No. :	41137-87-5
Formula:	C ₁₉ H ₂₀ O ₅
Molecular Weight:	328.36
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	Hirsutenone has potent antioxidant activity, it shows significant free radical scavenging activity and exhibits inhibition effect on the mitochondrial lipid peroxidation. Hirsutenone exhibits anti-cancer, and anti-filarial effects, it may exert a preventive effect against microbial endotoxin lipopolysaccharide-induced inflammatory skin diseases through inhibition of ERK pathway-mediated NF-kappaB activation. Hirsutenone attenuates adipogenesis by directly targeting PI3K and ERK during MCE in 3T3-L1 preadipocytes, underscoring the potential therapeutic application of Hirsutenone in preventing obesity.
Targets(IC50)	ERK,EGFR,NF-κB,Akt,Antifection,Autophagy,IL Receptor,mTOR,p53,PI3K

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0454 mL	15.2272 mL	30.4544 mL
5 mM	0.6091 mL	3.0454 mL	6.0909 mL
10 mM	0.3045 mL	1.5227 mL	3.0454 mL
50 mM	0.0609 mL	0.3045 mL	0.6091 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

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