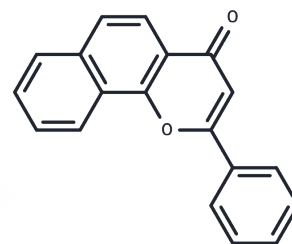


alpha-Naphthoflavone

Chemical Properties

CAS No. :	604-59-1
Formula:	C ₁₉ H ₁₂ O ₂
Molecular Weight:	272.3
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	alpha-Naphthoflavone (7,8-benzoflavone), a synthetic flavonoid, is a potent inhibitor of aromatase with an I50 value of 0.5 μM.
Targets(IC50)	Apoptosis,Aromatase,Aryl Hydrocarbon Receptor,Cytochromes P450

Solubility Information

Solubility	DMSO: 25 mg/mL (91.81 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	3.6724 mL	18.3621 mL	36.7242 mL
5 mM	0.7345 mL	3.6724 mL	7.3448 mL
10 mM	0.3672 mL	1.8362 mL	3.6724 mL
50 mM	0.0734 mL	0.3672 mL	0.7345 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

Stermitz, Bais F R , Foderaro H P , et al. 7,8-Benzoflavone: a phytotoxin from root exudates of invasive Russian knapweed[J]. Cheminform, 2004, 64(2):493-497.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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