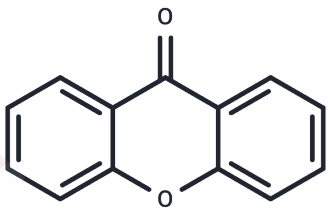
Data Sheet (Cat.No.T2982)

TargetMol

Xanthone

Chemical Properties



CAS No. : 90-47-1

Formula: C13H8O2

Molecular Weight: 196.2

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	Xanthone (Xanthenone) is currently used as ovicide for codling moth eggs and as a larvicide.
Targets(IC50)	Apoptosis,Calcium Channel,Antibacterial,Antifungal,Influenza Virus,Monoamine Oxidase
In vitro	Xanthone is an organic compound. It can be prepared by the heating of phenyl salicylate. In 1939, xanthone was introduced as an insecticide and it currently finds uses as ovicide for codling moth eggs and as a larvicide. Xanthone is also used in the preparation of xanthydrol, which is used in the determination of urea levels in the blood. [1]

Solubility Information

Solubility	DMSO: 3.25 mg/mL (16.56 mM),Sonication is recommended. Ethanol: 1 mg/mL (5.1 mM),Heating is recommended. H2O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0968 mL	25.4842 mL	50.9684 mL
5 mM	1.0194 mL	5.0968 mL	10.1937 mL
10 mM	0.5097 mL	2.5484 mL	5.0968 mL
50 mM	0.1019 mL	0.5097 mL	1.0194 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

ltamany EE, et al. Bioorg Med Chem Lett. 2014 Nov 1;24(21):4939-42.

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