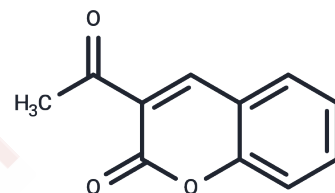


## 3-Acetylcoumarin

## Chemical Properties

CAS No. :	3949-36-8
Formula:	C <sub>11</sub> H <sub>8</sub> O <sub>3</sub>
Molecular Weight:	188.18
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	3-Acetylcoumarin as a practical ligand for copper-catalyzed CN coupling reactions at room temperature. It has neuroprotective and acaricidal properties.
Targets(IC50)	Others,Parasite

## Solubility Information

Solubility	DMSO: 25 mg/mL (132.85 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	5.3141 mL	26.5703 mL	53.1406 mL
5 mM	1.0628 mL	5.3141 mL	10.6281 mL
10 mM	0.5314 mL	2.657 mL	5.3141 mL
50 mM	0.1063 mL	0.5314 mL	1.0628 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

Bingchuan Z , Jinxiang L , Ting L , et al. Study on acaricidal bioactivity and quantitative structure activity relationship of coumarin compounds against *Tetranychus cinnabarinus* Bois.(Acari: Tetranychidae)[J]. Chinese Journal of Pesticide ence, 2016.

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