

## 3-Acetylcoumarin

## Chemical Properties

CAS No.:	3949-36-8
Formula:	C <sub>11</sub> H <sub>8</sub> O <sub>3</sub>
Molecular Weight:	188.1
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## 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(IC <sub>50</sub> )	Others: None

## Solubility Information

Solubility	DMSO: 10 mM (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.316 mL	26.582 mL	53.163 mL
5 mM	1.063 mL	5.316 mL	10.633 mL
10 mM	0.532 mL	2.658 mL	5.316 mL
50 mM	0.106 mL	0.532 mL	1.063 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. 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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