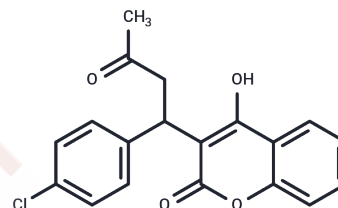


## Coumachlor

## Chemical Properties

CAS No. :	81-82-3
Formula:	C <sub>19</sub> H <sub>15</sub> ClO <sub>4</sub>
Molecular Weight:	342.77
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	Coumachlor, a first-generation anticoagulant rodenticide, blocks the formation of prothrombin and inhibits blood coagulation causing internal haemorrhage.
Targets(IC50)	Others, Vitamin

## Solubility Information

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

	1mg	5mg	10mg
1 mM	2.9174 mL	14.587 mL	29.1741 mL
5 mM	0.5835 mL	2.9174 mL	5.8348 mL
10 mM	0.2917 mL	1.4587 mL	2.9174 mL
50 mM	0.0583 mL	0.2917 mL	0.5835 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

- WANNTORP H. Studies on chemical determination of warfar in and coumachlor and their toxicity for dog and swine. *Acta Pharmacol Toxicol (Copenh)*. 1959;16(Suppl 2):1-123. PubMed PMID: 13842849.
- Gómez-Canela C, Lacorte S. Comprehensive characterization of anticoagulant rodenticides in sludge by liquid chromatography-tandem mass spectrometry. *Environ Sci Pollut Res Int*. 2016 Aug;23(15):15739-48. doi: 10.1007/s11356-016-6743-9. Epub 2016 May 4. PubMed PMID: 27146526.
- Muscarella M, Armentano A, Iammarino M, Palermo C, Amorena M. Anticoagulant rodenticide poisoning in animals of Apulia and Basilicata, Italy. *Vet Ital*. 2016 Jun 30;52(2):153-9. doi: 10.12834/VetIt.118.333.3. PubMed PMID: 27393877.
- Mesban HA, Tayeb EH, Mourad AK, Younis LK, el Zaher MA, Aly MT. Toxicology and histopathology of some rodenticides and palatable food items combinations on the common mice *Mus musculus* var. *albus* in Egypt. *Commun Agric Appl Biol Sci*. 2003;68(4 Pt B):771-87. PubMed PMID: 15151313.

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