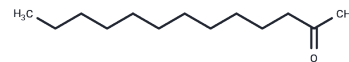


2-Tridecanone

Chemical Properties

CAS No. :	593-08-8
Formula:	C ₁₃ H ₂₆ O
Molecular Weight:	198.345
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	2-Tridecanone is a volatile non-alkaloid insecticide isolated from the wild tomato <i>Lycopersicon hirsutum</i> f. <i>glabratum</i> .
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50.00 mg/mL (252.09 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.00 mg/mL (10.08 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0416 mL	25.208 mL	50.4159 mL
5 mM	1.0083 mL	5.0416 mL	10.0832 mL
10 mM	0.5042 mL	2.5208 mL	5.0416 mL
50 mM	0.1008 mL	0.5042 mL	1.0083 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

Williams WG, et, al. 2-Tridecanone: A Naturally Occurring Insecticide from the Wild Tomato *Lycopersicon hirsutum* f. *glabratum*. *Science*. 1980 Feb 22;207(4433):888-9.

Antonious GF, et, al. 2-undecanone and 2-tridecanone in field-grown onion. *J Environ Sci Health B*. 2013;48(4):302-7.

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