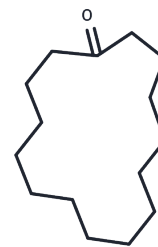


Cyclopentadecanone

Chemical Properties

CAS No. :	502-72-7
Formula:	C ₁₅ H ₂₈ O
Molecular Weight:	224.38
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	Cyclopentadecanone Used in perfumery (musk odour).
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 32.5 mg/mL (144.84 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	4.4567 mL	22.2836 mL	44.5673 mL
5 mM	0.8913 mL	4.4567 mL	8.9135 mL
10 mM	0.4457 mL	2.2284 mL	4.4567 mL
50 mM	0.0891 mL	0.4457 mL	0.8913 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

Iwaki, H, Wang, S, Grosse, S, et al. Pseudomonad Cyclopentadecanone Monooxygenase Displaying an Uncommon Spectrum of Baeyer-Villiger Oxidations of Cyclic Ketones[J]. Appl Environ Microbiol, 72(4):2707-2720.

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