

## 2-Pentadecanone

## Chemical Properties

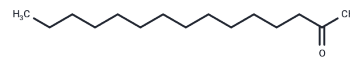
CAS No. : 2345-28-0

Formula: C<sub>15</sub>H<sub>30</sub>O

Molecular Weight: 226.4

Storage: Pure form: -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-Pentadecanone (Pentadecanone) is a marine derived natural products found in <i>Caulocystis cephalornithos</i> .
Targets(IC50)	Others,Antibacterial

## Solubility Information

Solubility	DMSO: 11 mg/mL (48.59 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	4.417 mL	22.0848 mL	44.1696 mL
5 mM	0.8834 mL	4.417 mL	8.8339 mL
10 mM	0.4417 mL	2.2085 mL	4.417 mL
50 mM	0.0883 mL	0.4417 mL	0.8834 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

El-Nashar HAS, Adel M, El-Shazly M, Yahia IS, El Sheshtawy HS, Almalki AA, Ibrahim N. Chemical Composition, Antiaging Activities and Molecular Docking Studies of Essential Oils from *Acca sellowiana* (Feijoa). *Chem Biodivers*. 2022 Sep;19(9):e202200272. doi: 10.1002/cbdv.202200272. Epub 2022 Sep 13. PMID: 35938449.

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