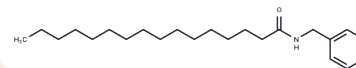


## N-Benzylpalmitamide

### Chemical Properties

CAS No. : 74058-71-2  
 Formula: C<sub>23</sub>H<sub>39</sub>NO  
 Molecular Weight: 345.56  
 Appearance: no data available  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



### Biological Description

Description	N-Benzylpalmitamide (Macamide 1) inhibits fatty acid amide hydrolase (FAAH) in a time-dependent manner and could potentially offer a good alternative for the treatment of pain, inflammation and CNS degenerative disorders.
Targets(IC50)	FAAH, Autophagy

### Solubility Information

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

	1mg	5mg	10mg
1 mM	2.8939 mL	14.4693 mL	28.9385 mL
5 mM	0.5788 mL	2.8939 mL	5.7877 mL
10 mM	0.2894 mL	1.4469 mL	2.8939 mL
50 mM	0.0579 mL	0.2894 mL	0.5788 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.

### Reference

Wu H, et al. Macamides and their synthetic analogs: evaluation of in vitro FAAH inhibition. Bioorg Med Chem. 2013 Sep 1;21(17):5188-97.

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