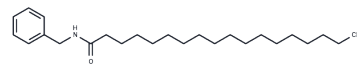


## N-Benzyloctadecanamide

## Chemical Properties

CAS No. : 5327-45-7  
 Formula: C<sub>25</sub>H<sub>43</sub>NO  
 Molecular Weight: 373.61  
 Appearance: no data available  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

|               |                                                                                                              |
|---------------|--------------------------------------------------------------------------------------------------------------|
| Description   | N-Benzyloctadecanamide is a distinct class of secondary metabolites in <i>Lepidium meyenii</i> Walp. (Maca). |
| Targets(IC50) | Others                                                                                                       |

## Solubility Information

|            |                                                                                               |
|------------|-----------------------------------------------------------------------------------------------|
| Solubility | DMSO: Slightly soluble,<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|-----------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.6766 mL | 13.3829 mL | 26.7659 mL |
| 5 mM  | 0.5353 mL | 2.6766 mL  | 5.3532 mL  |
| 10 mM | 0.2677 mL | 1.3383 mL  | 2.6766 mL  |
| 50 mM | 0.0535 mL | 0.2677 mL  | 0.5353 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

McCollom MM, et al. Analysis of macamides in samples of Maca (*Lepidium meyenii*) by HPLC-UV-MS/MS. *Phytochem Anal.* 2005 Nov-Dec;16(6):463-9.

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