

## Tricosane

## Chemical Properties

CAS No. : 638-67-5

Formula: C<sub>23</sub>H<sub>48</sub>

Molecular Weight: 324.63

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   | Tricosane is a natural product from Vernonia amygdalina. |
| Targets(IC50) | Others,Antibacterial                                     |

## Solubility Information

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

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.0804 mL | 15.4022 mL | 30.8043 mL |
| 5 mM  | 0.6161 mL | 3.0804 mL  | 6.1609 mL  |
| 10 mM | 0.308 mL  | 1.5402 mL  | 3.0804 mL  |
| 50 mM | 0.0616 mL | 0.308 mL   | 0.6161 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

Habtamu A, Melaku Y. Antibacterial and Antioxidant Compounds from the Flower Extracts of Vernonia amygdalina. Adv Pharmacol Sci. 2018 Mar 20;2018:4083736. doi: 10.1155/2018/4083736. PMID: 29755517; PMCID: PMC5884303.

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