

## 3-Heptanol

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 589-82-2   |
| Formula:          | C7H16O   |
| Molecular Weight: | 116.2  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |

## Biological Description

|               |  |
|---------------|--|
| Description   | 3-Heptanol is a bioconversion product of n-heptane. It serves as a synthetic building block for creating 4-(3-adamantyl-ureido)-butyric acid and cyclohexanecarboxylic acid derivatives (as sEH inhibitors). Additionally, 3-Heptanol functions as a solvent, forming a microenvironment around single-walled carbon nanotubes. It is also utilized in the preparation of substituted pyrimidine derivatives, which are phthalate analogs targeting the C1 domain for studying their binding affinity with the PKC $\alpha$ subtype. |
| Targets(IC50) | Others   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 8.6059 mL | 43.0293 mL | 86.0585 mL |
| 5 mM  | 1.7212 mL | 8.6059 mL  | 17.2117 mL |
| 10 mM | 0.8606 mL | 4.3029 mL  | 8.6059 mL  |
| 50 mM | 0.1721 mL | 0.8606 mL  | 1.7212 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.

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481