

N-PENTADECANE

Chemical Properties

CAS No. : 629-62-9

Formula: C₁₅H₃₂

Molecular Weight: 212.41

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 | N-PENTADECANE is a natural product. |
| Targets(IC50) | Others,Parasite |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 55 mg/mL (258.93 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2.5 mg/mL (11.77 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 4.7079 mL | 23.5394 mL | 47.0788 mL |
| 5 mM | 0.9416 mL | 4.7079 mL | 9.4158 mL |
| 10 mM | 0.4708 mL | 2.3539 mL | 4.7079 mL |
| 50 mM | 0.0942 mL | 0.4708 mL | 0.9416 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

Bratek M , A Wójcik-Augustyn, Kania A , et al. Condensed phase properties of n-pentadecane emerging from application of biomolecular force fields[J]. Acta biochimica Polonica, 67(3):309-318.

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