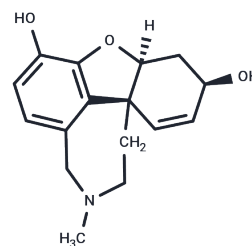


O-Desmethyl Galanthamine

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 60755-80-8 |
| Formula: | C ₁₆ H ₁₉ NO ₃ |
| Molecular Weight: | 273.33 |
| 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 | O-Desmethyl Galanthamine (Sanguinine) is a galanthamine-type alkaloid and an acetylcholinesterase (AChE) inhibitor with an IC ₅₀ of 1.83 μM. |
| Targets(IC ₅₀) | Cholinesterase (ChE) |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 99 mg/mL (362.2 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: 3.3 mg/mL (12.07 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 | 3.6586 mL | 18.2929 mL | 36.5858 mL |
| 5 mM | 0.7317 mL | 3.6586 mL | 7.3172 mL |
| 10 mM | 0.3659 mL | 1.8293 mL | 3.6586 mL |
| 50 mM | 0.0732 mL | 0.3659 mL | 0.7317 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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