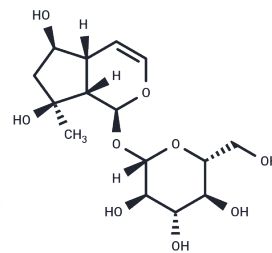


Ajugol

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 52949-83-4 |
| Formula: | C ₁₅ H ₂₄ O ₉ |
| Molecular Weight: | 348.35 |
| 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 | Ajugol (Leonuride) shows some trypanocidal potential against Trypanosoma brucei rhodesiense (IC ₅₀ values 29.3-73.0 ug/ml). |
| Targets(IC ₅₀) | Parasite, Autophagy, Interleukin, mTOR, ROS |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 250 mg/mL (717.67 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.8707 mL | 14.3534 mL | 28.7068 mL |
| 5 mM | 0.5741 mL | 2.8707 mL | 5.7414 mL |
| 10 mM | 0.2871 mL | 1.4353 mL | 2.8707 mL |
| 50 mM | 0.0574 mL | 0.2871 mL | 0.5741 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

Elusiyana CA, et al. Distribution of iridoid glucosides and anti-oxidant compounds in Spathodea campanulata parts. Afr J Tradit Complement Altern Med. 2011;8(1):27-33.

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