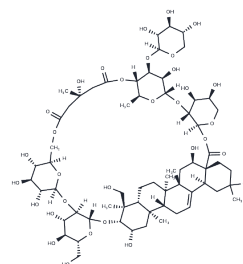


Tubeimoside III

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 115810-13-4 |
| Formula: | C ₆₄ H ₁₀₀ O ₃₁ |
| Molecular Weight: | 1365.46 |
| 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 | Tubeimoside III has anti-inflammatory, anti-tumor, and anti-tumorigenic activities, stronger than those of tubeimoside II. |
| Targets(IC50) | Others,NO Synthase,Interleukin |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 240 mg/mL (175.76 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.7324 mL | 3.6618 mL | 7.3235 mL |
| 5 mM | 0.1465 mL | 0.7324 mL | 1.4647 mL |
| 10 mM | 0.0732 mL | 0.3662 mL | 0.7324 mL |
| 50 mM | 0.0146 mL | 0.0732 mL | 0.1465 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

Yu TX, et al. Structure-activity relationship of tubeimosides in anti-inflammatory, antitumor, and antitumor-promoting effects. *Acta Pharmacol Sin.* 2001 May;22(5):463-8.

Yu L, et al. Inhibition of the tumor promoting action of 12-O-tetradecanoylphorbol-13-acetate by tubeimoside III isolated from *Bolbostemma paniculatum*. *Carcinogenesis.* 1995 Dec;16(12):3045-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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