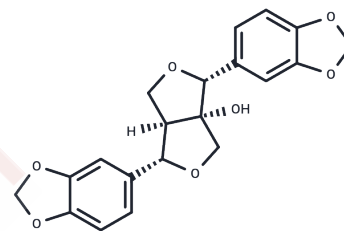


paulownin

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 13040-46-5 |
| Formula: | C ₂₀ H ₁₈ O ₇ |
| Molecular Weight: | 370.35 |
| 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 | Paulownin, a furofuran lignan from Paulownia tomentosa, has the action of anti-inflammation, analgesia, immunity, hypoglycemia and has little toxicity. |
| Targets(IC50) | Anti-infection |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 50 mg/mL (135.01 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 mg/mL (5.4 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 | 2.7001 mL | 13.5007 mL | 27.0015 mL |
| 5 mM | 0.540 mL | 2.7001 mL | 5.4003 mL |
| 10 mM | 0.270 mL | 1.3501 mL | 2.7001 mL |
| 50 mM | 0.054 mL | 0.270 mL | 0.540 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

Asiri S M , Shaari K , Abas F , et al. Two New Naphthoquinone Derivatives from the Stem Bark of Callicarpa maingayi[J]. Natural product communications, 2012, 7(10):1333-1336.

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