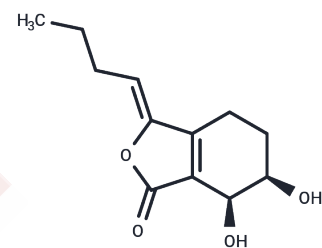


Senkyunolide H

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 94596-27-7 |
| Formula: | C ₁₂ H ₁₆ O ₄ |
| Molecular Weight: | 224.25 |
| Storage: | Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |



Biological Description

| | |
|---------------|--|
| Description | Senkyunolide H, a natural compound found in <i>Ligusticum chuanxiong</i> Hort., exhibits potential therapeutic properties beneficial for the treatment of cardiovascular diseases and inflammatory conditions. |
| Targets(IC50) | Others |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 27.5 mg/mL (122.63 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+90% Saline: 2.75 mg/mL (12.26 mM), Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (8.92 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 | 4.4593 mL | 22.2965 mL | 44.5931 mL |
| 5 mM | 0.8919 mL | 4.4593 mL | 8.9186 mL |
| 10 mM | 0.4459 mL | 2.2297 mL | 4.4593 mL |
| 50 mM | 0.0892 mL | 0.4459 mL | 0.8919 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

Yan R, et al. Simultaneous quantification of 12 bioactive components of Ligusticum chuanxiong Hort. by high-performance liquid chromatography. J Pharm Biomed Anal. 2005 Feb 7;37(1):87-95.

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