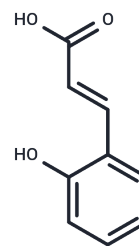


2-Hydroxycinnamic acid

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 614-60-8 |
| Formula: | C ₉ H ₈ O ₃ |
| Molecular Weight: | 164.16 |
| Storage: | Store under nitrogen 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 | 2-Hydroxycinnamic acid is a natural product isolated from Angraecum fragrans, has photooxidant activity. |
| Targets(IC50) | HIV Protease,Endogenous Metabolite,Antibacterial,SARS-CoV |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 200 mg/mL (1218.32 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (30.46 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 | 6.0916 mL | 30.4581 mL | 60.9162 mL |
| 5 mM | 1.2183 mL | 6.0916 mL | 12.1832 mL |
| 10 mM | 0.6092 mL | 3.0458 mL | 6.0916 mL |
| 50 mM | 0.1218 mL | 0.6092 mL | 1.2183 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

Keman D, Soyer F. Antibiotic-Resistant Staphylococcus aureus Does Not Develop Resistance to Vanillic Acid and 2-Hydroxycinnamic Acid after Continuous Exposure in Vitro. ACS Omega. 2019 Sep 10;4(13):15393-15400.

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