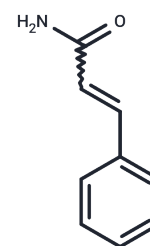


Cinnamamide

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 621-79-4 |
| Formula: | C ₉ H ₉ NO |
| Molecular Weight: | 147.17 |
| 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 | Cinnamamide is an amide of trans-cinnamic acid and a metabolite of Streptomyces. It also reduced tumor weight in a mouse model of C26 murine colon carcinoma, in vivo. |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 6.7949 mL | 33.9743 mL | 67.9486 mL |
| 5 mM | 1.359 mL | 6.7949 mL | 13.5897 mL |
| 10 mM | 0.6795 mL | 3.3974 mL | 6.7949 mL |
| 50 mM | 0.1359 mL | 0.6795 mL | 1.359 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

- Sekizawa, Y. Trans-cinnamic acid amide as a metabolic product of Streptomyces. J. Biochem. 45(1), 9-11 (1958).
 Jiang, X.-f., and Zhen, Y.-s. Cinnamamide, an antitumor agent with low cytotoxicity acting on matrix metalloproteinase. Anticancer Drugs 11(1), 49-54 (2000).
 Gurney, J.E., Watkins, R.W., Gill, E.L., et al. Non-lethal mouse repellents: evaluation of cinnamamide as a repellent against commensal and field rodents. Appl. Animal Behav. Sci. 49(4), 353-363 (1996).

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