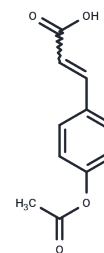


4-Acetoxy-cinnamic acid

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 15486-19-8 |
| Formula: | C ₁₁ H ₁₀ O ₄ |
| Molecular Weight: | 206.19 |
| 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 | 4-Acetoxy-cinnamic acid is an acetate ester formed by the condensation of the hydroxyl group in trans-4-coumaric acid with acetic acid. Structurally, it belongs to both cinnamic acid derivatives and phenyl acetate compounds and can be derived from trans-4-coumaric acid. |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 80 mg/mL (387.99 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|-----------|
| 1 mM | 4.8499 mL | 24.2495 mL | 48.499 mL |
| 5 mM | 0.970 mL | 4.8499 mL | 9.6998 mL |
| 10 mM | 0.485 mL | 2.4249 mL | 4.8499 mL |
| 50 mM | 0.097 mL | 0.485 mL | 0.970 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

Kunio Kimura, et al. Self-Organizing Polycondensation of (E)-4-Acetoxy-cinnamic Acid for Preparation of Poly(p-oxy-cinnamoyl) Microspheres. *Macromolecules* 2003, 36, 20, 7721-7729.

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