

Phenylpropionic acid

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 637-44-5 |
| Formula: | C ₉ H ₆ O ₂ |
| Molecular Weight: | 146.14 |
| 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 | Phenylpropionic acid (3-Phenylpropionic acid) is an enzyme extinguishing agent used in palladium-catalyzed decarboxylation coupling reactions. |
| Targets(IC50) | Endogenous Metabolite |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 80 mg/mL (547.42 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: 3.3 mg/mL (22.58 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 | 6.8428 mL | 34.2138 mL | 68.4275 mL |
| 5 mM | 1.3686 mL | 6.8428 mL | 13.6855 mL |
| 10 mM | 0.6843 mL | 3.4214 mL | 6.8428 mL |
| 50 mM | 0.1369 mL | 0.6843 mL | 1.3686 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

Synthesis of a Series of Substituted Phenylpropionic Acids

Melvin S., et al. Synthesis of a Series of Substituted Phenylpropionic Acids. Journal of the American Chemical Society 1955 77 (21), 5549-5551

Marie Reimer. Preparation of Phenylpropionic Acid. Journal of the American Chemical Society 1942 64 (10), 2510-2510

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481