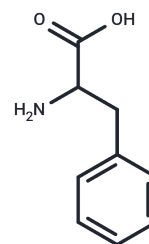


DL-Phenylalanine

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 150-30-1 |
| Formula: | C ₉ H ₁₁ NO ₂ |
| Molecular Weight: | 165.19 |
| 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 | DL-Phenylalanine, a phenylalanine derivative, exhibits antifungal activity against <i>Aspergillus flavus</i> and antibacterial activity against <i>Bacillus cereus</i> and <i>Escherichia coli</i> . |
| Targets(IC50) | Amino Acids and Derivatives |

Solubility Information

| | |
|------------|---|
| Solubility | H ₂ O: 8 mg/mL (48.43 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 6.0536 mL | 30.2682 mL | 60.5364 mL |
| 5 mM | 1.2107 mL | 6.0536 mL | 12.1073 mL |
| 10 mM | 0.6054 mL | 3.0268 mL | 6.0536 mL |
| 50 mM | 0.1211 mL | 0.6054 mL | 1.2107 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

Luckose F, et al. Effects of amino acid derivatives on physical, mental, and physiological activities. *Crit Rev Food Sci Nutr.* 2015;55(13):1793-1024.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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