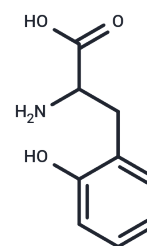


DL-O-Tyrosine

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 2370-61-8 |
| Formula: | C ₉ H ₁₁ NO ₃ |
| Molecular Weight: | 181.19 |
| 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-o-Tyrosine is a metabolite of Phenylalanine and is a precursor in the formation of catecholamines. It is used as biomarkers of protein oxidative damage in β -thalassemia. |
| Targets(IC50) | Amino Acids and Derivatives |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: < 1.81 mg/mL (10 mM, insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 5.5191 mL | 27.5953 mL | 55.1907 mL |
| 5 mM | 1.1038 mL | 5.5191 mL | 11.0381 mL |
| 10 mM | 0.5519 mL | 2.7595 mL | 5.5191 mL |
| 50 mM | 0.1104 mL | 0.5519 mL | 1.1038 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

Koyama H. J Biochem. 1984 Aug;96(2):421-7.

Matés JM, et al. Antioxidant enzymes and human diseases. Clin Biochem. 1999 Nov;32(8):595-603.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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