

6-Diazo-5-oxo-L-nor-Leucine

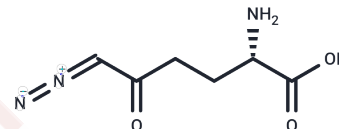
Chemical Properties

CAS No. : 157-03-9

Formula: C₆H₉N₃O₃

Molecular Weight: 171.15

Storage: Store at low temperature, Keep away from direct sunlight
 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 | 6-Diazo-5-oxo-L-nor-Leucine (L-6-Diazo-5-oxonorleucine) is a glutaminase antagonist (K _i : 6 μM) and an antineoplastic antibiotic produced by an unidentified Streptomyces species from Peruvian soil. |
| Targets(IC50) | Glutaminase, Antibacterial, Antibiotic, Influenza Virus |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 7 mg/mL (40.9 mM), Sonication is recommended. H ₂ O: 12.5 mg/mL (73.04 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 5.8428 mL | 29.2141 mL | 58.4283 mL |
| 5 mM | 1.1686 mL | 5.8428 mL | 11.6857 mL |
| 10 mM | 0.5843 mL | 2.9214 mL | 5.8428 mL |
| 50 mM | 0.1169 mL | 0.5843 mL | 1.1686 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

Willis RC, et al. The inhibition by 6-diazo-5-oxo-L-norleucine of glutamine catabolism of the cultured human lymphoblast. J Cell Physiol. 1977 Dec;93(3):375-82.

Kulkarni RM, et al. Evaluation of genetic toxicity of 6-diazo-5-oxo-L-norleucine (DON). Toxicol Mech Methods. 2017 Sep;27(7):518-527.

Turley E A . The Control of Adrenocortical Cytodifferentiation by Extracellular Matrix***[J]. differentiation, 1980, 17 (1-3):93-103.

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