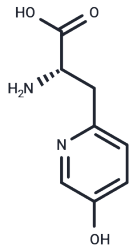
Data Sheet (Cat.No.T40667)

TargetMol

L-Azatyrosine

Chemical Properties



CAS No. : 58525-82-9

Formula: C8H10N2O3

Molecular Weight: 182.179

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	L-Azatyrosine, an antitumor antibiotic derived from Streptomyces chibaensis, exhibits the ability to restore the normal phenotypic behavior of transformed cells that carry oncogenic Ras genes.
Targets(IC50)	Others,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4891 mL	27.4454 mL	54.8908 mL
5 mM	1.0978 mL	5.4891 mL	10.9782 mL
10 mM	0.5489 mL	2.7445 mL	5.4891 mL
50 mM	0.1098 mL	0.5489 mL	1.0978 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

Adamczyk M, et, al. Enantioselective synthesis of (2-pyridyl)alanines via catalytic hydrogenation and application to the synthesis of L-azatyrosine. Org Lett. 2001 Oct 4;3(20):3157-9.
Shindo-Okada N, et, al. Permanent conversion of mouse and human cells transformed by activated ras or raf genes to apparently normal cells by treatment with the antibiotic azatyrosine. Mol Carcinog. 1989;2(3):159-67.

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