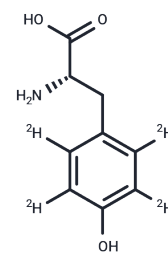


L-Tyrosine-D4

Chemical Properties

CAS No. :	62595-14-6
Formula:	C ₉ H ₁₁ NO ₃
Molecular Weight:	185.21
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-Tyrosine-D4 is the deuterated form of L-Tyrosine. L-Tyrosine (T0493) is a non-essential amino acid that inhibits the activity of citrate synthase in the posterior cortex.
Targets(IC50)	Endogenous Metabolite
In vitro	L-Tyrosine reduces the activity of citrate synthase in the posterior cortex at concentrations of 2.0 and 4.0 mM, while the activity of malate dehydrogenase remains unchanged. However, succinate dehydrogenase activity is elevated in the posterior cortex (0.1-4.0 mM), hippocampus (1.0-4.0 mM), striatum (4.0 mM), and liver (0.1-4.0 mM).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.3993 mL	26.9964 mL	53.9928 mL
5 mM	1.0799 mL	5.3993 mL	10.7986 mL
10 mM	0.5399 mL	2.6996 mL	5.3993 mL
50 mM	0.108 mL	0.5399 mL	1.0799 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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