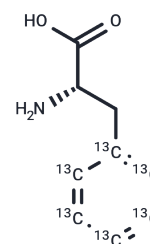


L-Phenylalanine-13C6

Chemical Properties

CAS No. :	180268-82-0
Formula:	C ₉ H ₁₁ NO ₂
Molecular Weight:	171.15
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	L-Phenylalanine-13C6 is a carbon-13 labeled version of L-Phenylalanine. L-Phenylalanine (T3377) ((S)-2-Amino-3-phenylpropionic acid) is an essential amino acid derived from Escherichia coli. It acts as a voltage-dependent $\alpha_2\delta$ subunit Ca ²⁺ channel antagonist with a K _i of 980 nM. Additionally, it is a competitive antagonist at the glycine and glutamate binding sites of NMDARs (K _B 573 μ M) and non-NMDARs. L-Phenylalanine (T3377) is extensively utilized in the production of food flavors and pharmaceuticals.
Targets(IC50)	Calcium Channel,Endogenous Metabolite,iGluR

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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