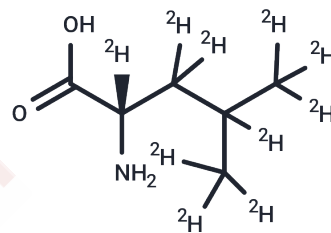


L-Leucine-D10

Chemical Properties

CAS No. :	106972-44-5
Formula:	C ₆ H ₃ D ₁₀ NO ₂
Molecular Weight:	141.23
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-Leucine-D10 is a deuterated compound of L-Leucine. L-Leucine (T302749) has a CAS number of 61-90-5. Leucine is one of nine essential amino acids in humans (provided by food), Leucine is important for protein synthesis and many metabolic functions. Leucine contributes to regulation of blood-sugar levels; growth and repair of muscle and bone tissue; growth hormone production; and wound healing. Leucine also prevents breakdown of muscle proteins after trauma or severe stress and may be beneficial for individuals with phenylketonuria. Leucine is available in many foods and deficiency is rare.
Targets(IC50)	Endogenous Metabolite,mTOR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.0806 mL	35.4032 mL	70.8065 mL
5 mM	1.4161 mL	7.0806 mL	14.1613 mL
10 mM	0.7081 mL	3.5403 mL	7.0806 mL
50 mM	0.1416 mL	0.7081 mL	1.4161 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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