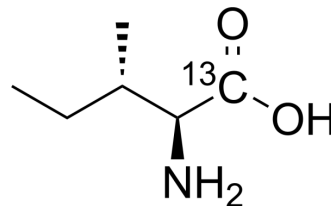


L-Isoleucine-1-¹³C

Cat. No.:	HY-N0771S4		
CAS No.:	81202-01-9		
Molecular Formula:	C ₅ ¹³ CH ₁₃ NO ₂		
Molecular Weight:	132.17		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 12.5 mg/mL (94.58 mM); ultrasonic and warming and heat to 60°C				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	7.5660 mL	37.8301 mL	75.6601 mL
		5 mM	1.5132 mL	7.5660 mL	15.1320 mL
10 mM		0.7566 mL	3.7830 mL	7.5660 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 25 mg/mL (189.15 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	L-Isoleucine-1- ¹³ C is the ¹³ C-labeled L-Isoleucine. L-isoleucine is a nonpolar hydrophobic amino acid[1]. L-Isoleucine is an essential amino acid.
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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