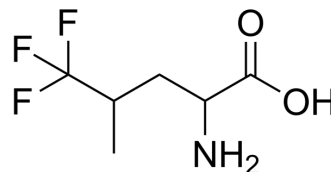


5,5,5-Trifluoro-DL-leucine

Cat. No.:	HY-W037549
CAS No.:	2792-72-5
Molecular Formula:	C ₆ H ₁₀ F ₃ NO ₂
Molecular Weight:	185.14
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (270.07 mM; ultrasonic and adjust pH to 1 with 1M HCl)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.4013 mL	27.0066 mL	54.0132 mL
	5 mM	1.0803 mL	5.4013 mL	10.8026 mL
	10 mM	0.5401 mL	2.7007 mL	5.4013 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

5,5,5-Trifluoro-DL-leucine is a leucine derivative^[1].

In Vitro

Amino acids and amino acid derivatives have been commercially used as ergogenic supplements. They influence the secretion of anabolic hormones, supply of fuel during exercise, mental performance during stress related tasks and prevent exercise induced muscle damage. They are recognized to be beneficial as ergogenic dietary substances^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Luckose F, et al. Effects of amino acid derivatives on physical, mental, and physiological activities. Crit Rev Food Sci Nutr. 2015;55(13):1793-1144.

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

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