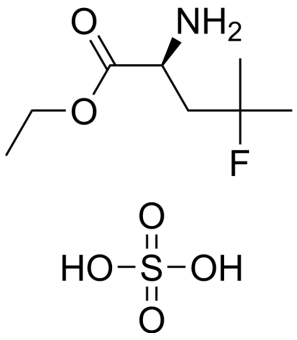
(S)-Ethyl 2-amino-4-fluoro-4-methylpentanoate sulfate



Cat. No.:	HY-77026
CAS No.:	848949-85-9
Molecular Formula:	$C_8H_{18}FNO_6S$
Molecular Weight:	275.3
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	4°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)

SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (363.24 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.6324 mL	18.1620 mL	36.3240 mL
	5 mM	0.7265 mL	3.6324 mL	7.2648 mL
	10 mM	0.3632 mL	1.8162 mL	3.6324 mL

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

BIOLOGICAL ACTIVITY

Description

(S)-Ethyl 2-amino-4-fluoro-4-methylpentanoate sulfate 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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