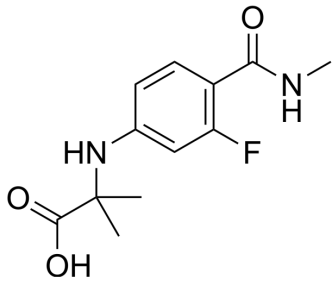
2-((3-Fluoro-4-(methylcarbamoyl)phenyl)amino)-2-methylpropanoic acid

Cat. No.:	HY-I0124
CAS No.:	1289942-66-0
Molecular Formula:	$C_{12}H_{15}FN_2O_3$
Molecular Weight:	254.26
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (393.30 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.9330 mL	19.6649 mL	39.3298 mL
	5 mM	0.7866 mL	3.9330 mL	7.8660 mL
	10 mM	0.3933 mL	1.9665 mL	3.9330 mL

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

BIOLOGICAL ACTIVITY

Description

2-((3-Fluoro-4-(methylcarbamoyl)phenyl)amino)-2-methylpropanoic acid is an alanine 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):1793-1111.

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

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