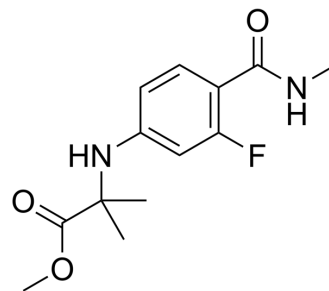


## Methyl 2-((3-fluoro-4-(methylcarbamoyl)phenyl)amino)-2-methylpropanoate

<b>Cat. No.:</b>	HY-I0125		
<b>CAS No.:</b>	1332524-01-2		
<b>Molecular Formula:</b>	C <sub>13</sub> H <sub>17</sub> FN <sub>2</sub> O <sub>3</sub>		
<b>Molecular Weight:</b>	268.28		
<b>Target:</b>	Amino Acid Derivatives		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 25 mg/mL (93.19 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.7274 mL	18.6372 mL	37.2745 mL
	5 mM	0.7455 mL	3.7274 mL	7.4549 mL
	10 mM	0.3727 mL	1.8637 mL	3.7274 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Methyl 2-((3-fluoro-4-(methylcarbamoyl)phenyl)amino)-2-methylpropanoate is an alanine derivative<sup>[1]</sup>.

#### 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<sup>[1]</sup>.  
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):1793-1124.

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

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