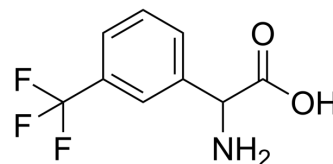


## 2-Amino-2-(3-(trifluoromethyl)phenyl)acetic acid

<b>Cat. No.:</b>	HY-W022823		
<b>CAS No.:</b>	242475-26-9		
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>8</sub> F <sub>3</sub> NO <sub>2</sub>		
<b>Molecular Weight:</b>	219.16		
<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 : 10 mg/mL (45.63 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	4.5629 mL	22.8144 mL	45.6288 mL
5 mM	0.9126 mL	4.5629 mL	9.1258 mL
10 mM	0.4563 mL	2.2814 mL	4.5629 mL

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

### BIOLOGICAL ACTIVITY

#### Description

2-Amino-2-(3-(trifluoromethyl)phenyl)acetic acid is a [Glycine](#) (HY-Y0966) 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):1793-1144.

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

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