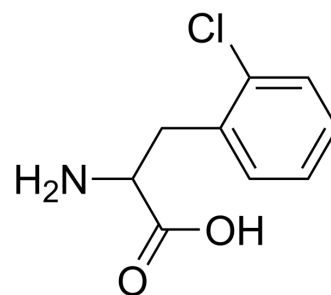


2-Amino-3-(2-chlorophenyl)propanoic acid

Cat. No.:	HY-W002170		
CAS No.:	14091-11-3		
Molecular Formula:	C ₉ H ₁₀ ClNO ₂		
Molecular Weight:	199.63		
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

H₂O : 22.22 mg/mL (111.31 mM; ultrasonic and adjust pH to 3 with HCl)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	5.0093 mL	25.0463 mL	50.0927 mL
5 mM	1.0019 mL	5.0093 mL	10.0185 mL
10 mM	0.5009 mL	2.5046 mL	5.0093 mL

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

BIOLOGICAL ACTIVITY

Description

2-Amino-3-(2-chlorophenyl)propanoic acid is a phenylalanine 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.

CUSTOMER VALIDATION

- PeerJ. 2023 May 2.

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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):1793-807.

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

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