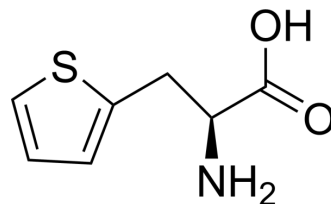


## 3-(2-Thienyl)-L-alanine

Cat. No.:	HY-I0393
CAS No.:	22951-96-8
Molecular Formula:	C <sub>7</sub> H <sub>9</sub> NO <sub>2</sub> S
Molecular Weight:	171.22
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 2 mg/mL (11.68 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.8404 mL	29.2022 mL	58.4044 mL
	5 mM	1.1681 mL	5.8404 mL	11.6809 mL
	10 mM	0.5840 mL	2.9202 mL	5.8404 mL

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

### BIOLOGICAL ACTIVITY

#### Description

3-(2-Thienyl)-L-alanine 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):1793-1123.

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

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