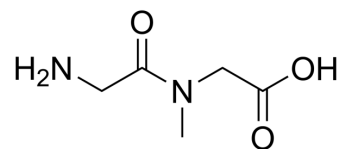


Gly-Sar

Cat. No.:	HY-W010276
CAS No.:	29816-01-1
Molecular Formula:	C ₅ H ₁₀ N ₂ O ₃
Molecular Weight:	146.15
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

H₂O : 41.67 mg/mL (285.12 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.8423 mL	34.2114 mL	68.4229 mL
	5 mM	1.3685 mL	6.8423 mL	13.6846 mL
	10 mM	0.6842 mL	3.4211 mL	6.8423 mL

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

BIOLOGICAL ACTIVITY

Description

Gly-Sar is a [Glycine](#) (HY-Y0966) 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):1793-1144.

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

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