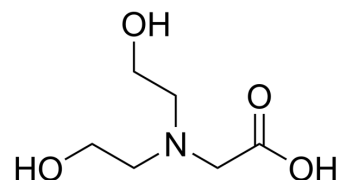


Bicine

Cat. No.:	HY-D0868		
CAS No.:	150-25-4		
Molecular Formula:	C ₆ H ₁₃ NO ₄		
Molecular Weight:	163.17		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 166.67 mg/mL (1021.45 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
	Preparing Stock Solutions	1 mM	6.1286 mL	30.6429 mL
	5 mM	1.2257 mL	6.1286 mL	12.2572 mL
	10 mM	0.6129 mL	3.0643 mL	6.1286 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (306.43 mM); Clear solution; Need ultrasonic			

BIOLOGICAL ACTIVITY

Description	Bicine is a useful buffer in the range of physiological interest. Bicine is a derivative of the simple amino acid glycine ^[1] .
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REFERENCES

[1]. Taha M, et al. Mixed-ligand complex formation equilibria of cobalt (II), nickel (II), and copper (II) with N, N-bis (2-hydroxyethyl) glycine (bicine) and some amino acids[J]. Journal of Chemical & Engineering Data, 2005, 50(1): 157-163.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA