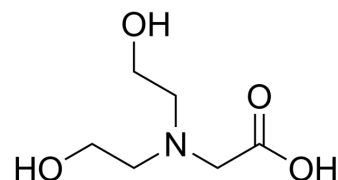


Bicine

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	
	10 mM	0.6129 mL	3.0643 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.

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