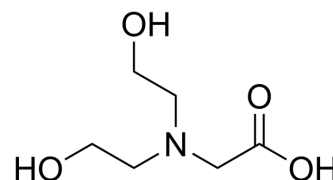


Bicine

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:	Store at room temperature



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 166.67 mg/mL (1021.45 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	6.1286 mL	30.6429 mL	61.2858 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.

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