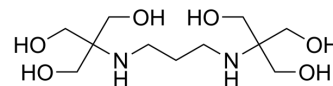


Bis-tris propane

Cat. No.:	HY-126399
CAS No.:	64431-96-5
Molecular Formula:	C ₁₁ H ₂₆ N ₂ O ₆
Molecular Weight:	282.33
Target:	Biochemical Assay Reagents
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 ₂ O : 100 mg/mL (354.20 mM; Need ultrasonic)				
	DMSO : 25 mg/mL (88.55 mM; Need ultrasonic)				
	Preparing Stock Solutions	<div>Solvent Concentration</div> <div>Mass</div>	1 mg	5 mg	10 mg
		1 mM	3.5420 mL	17.7098 mL	35.4195 mL
		5 mM	0.7084 mL	3.5420 mL	7.0839 mL
10 mM		0.3542 mL	1.7710 mL	3.5420 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.85 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.85 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil				
	Solubility: ≥ 2.5 mg/mL (8.85 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Bis-tris propane (BTP) is a water-soluble buffer substance. Bis-tris propane can be used as a suitable buffer for polymerase chain reaction (PCR). Bis-tris propane can enhance the stability or activity of restriction enzymes ^{[1][2]} .
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REFERENCES

[1]. K A Eckert, et al. DNA polymerase fidelity and the polymerase chain reaction. PCR Methods Appl. 1991 Aug;1(1):17-24.

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

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