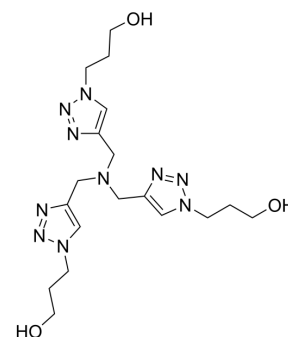


Tris(3-hydroxypropyltriazolylmethyl)amine

Cat. No.:	HY-W021042		
CAS No.:	760952-88-3		
Molecular Formula:	C ₁₈ H ₃₀ N ₁₀ O ₃		
Molecular Weight:	434.5		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (230.15 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.3015 mL	11.5075 mL	23.0150 mL
5 mM	0.4603 mL	2.3015 mL	4.6030 mL
10 mM	0.2301 mL	1.1507 mL	2.3015 mL

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

BIOLOGICAL ACTIVITY

Description

Tris(3-hydroxypropyltriazolylmethyl)amine (THPTA, compound 3) is an accelerating ligand in the copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC). Tris(3-hydroxypropyltriazolylmethyl)amine protects the histidine moiety of biomolecules in a manner proportional to ligand concentration^[1].

REFERENCES

[1]. Hong V, et al. Analysis and optimization of copper-catalyzed azide-alkyne cycloaddition for bioconjugation. *Angew Chem Int Ed Engl.* 2009;48(52):9879-83.

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

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