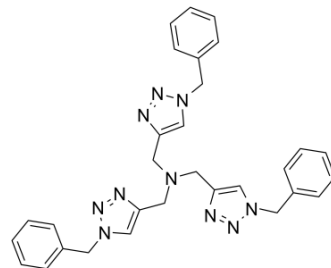


## Tris(benzyltriazolymethyl)amine

Cat. No.:	HY-116677		
CAS No.:	510758-28-8		
Molecular Formula:	C <sub>30</sub> H <sub>30</sub> N <sub>10</sub>		
Molecular Weight:	530.63		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (235.57 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.8846 mL	9.4228 mL	18.8455 mL
5 mM	0.3769 mL	1.8846 mL	3.7691 mL
10 mM	0.1885 mL	0.9423 mL	1.8846 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Tris(benzyltriazolymethyl)amine (TBTA) is a ligand that acts as a biochemical tool for the tagging of proteins and enzymes<sup>[1]</sup>.

#### In Vitro

Tris(benzyltriazolymethyl)amine is a new ligand that has shown promising results with respect to the stabilization of both Cu<sup>+</sup> and Cu<sup>2+</sup> ions in the reaction environment, without requiring an inert atmosphere or anhydrous conditions, while at the same time keeping the Cu<sup>+</sup> ions accessible for chemical reactions<sup>[1]</sup>.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Alireza Movahedi, et al. One-pot synthesis of TBTA-functionalized coordinating polymers. *Reactive and Functional Polymers*.2014. 82:1-8

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

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