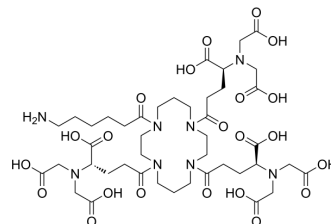


Tris-NTA

Cat. No.:	HY-D1288A
CAS No.:	862778-60-7
Molecular Formula:	C ₄₃ H ₆₈ N ₈ O ₂₂
Molecular Weight:	1049.04
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

H₂O : ≥ 100 mg/mL (95.33 mM)
 DMSO : 50 mg/mL (47.66 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	0.9533 mL	4.7663 mL
	5 mM	0.1907 mL	0.9533 mL	1.9065 mL	
	10 mM	0.0953 mL	0.4766 mL	0.9533 mL	

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

In Vivo

1. Add each solvent one by one: PBS
 Solubility: 100 mg/mL (95.33 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Tris-NTA is a His-tagged protein ligand, which can be used to bind His-tagged proteins^{[1][2]}.

In Vitro

Tris-NTA is a His-tagged protein ligand, which can be used to bind His-tagged proteins^{[1][2]}.
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Moritz Pfreundschuh, et al. Identifying and quantifying two ligand-binding sites while imaging native human membrane receptors by AFM. Nat Commun. 2015 Nov 12;6:8857.

[2]. Luyao Liu, et al. Rapid and regenerable surface plasmon resonance determinations of biomarker concentration and biomolecular interaction based on tris-nitrilotriacetic acid chips. Anal Chim Acta. 2021 Jul 25;1170:338625.

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

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