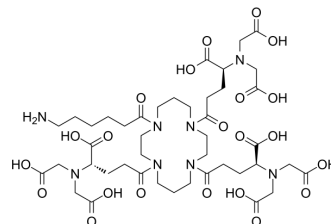


## Tris-NTA

Cat. No.:	HY-D1288A
CAS No.:	862778-60-7
Molecular Formula:	C <sub>43</sub> H <sub>68</sub> N <sub>8</sub> O <sub>22</sub>
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	H <sub>2</sub> O : ≥ 100 mg/mL (95.33 mM)																								
	DMSO : 50 mg/mL (47.66 mM; Need ultrasonic)																								
	* "≥" means soluble, but saturation unknown.																								
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>0.9533 mL</td> <td>4.7663 mL</td> <td>9.5325 mL</td> </tr> <tr> <td>5 mM</td> <td>0.1907 mL</td> <td>0.9533 mL</td> <td>1.9065 mL</td> </tr> <tr> <td>10 mM</td> <td>0.0953 mL</td> <td>0.4766 mL</td> <td>0.9533 mL</td> </tr> </tbody> </table>					Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	0.9533 mL	4.7663 mL	9.5325 mL	5 mM	0.1907 mL	0.9533 mL	1.9065 mL	10 mM	0.0953 mL	0.4766 mL
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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 <sup>[1][2]</sup> .
In Vitro	Tris-NTA is a His-tagged protein ligand, which can be used to bind His-tagged proteins <sup>[1][2]</sup> . 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.

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[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.

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

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