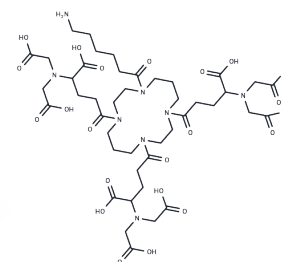


Tris-NTA

Chemical Properties

CAS No. :	1146592-99-5
Formula:	C43H68N8O22
Molecular Weight:	1049.051
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Tris-NTA is a His-tagged protein ligand, which can be used to bind His-tagged proteins.
Targets(IC50)	Others
In vitro	Tris-NTA demonstrates the ability to interact with a His10-tag that is attached to the intracellular C-terminus of a receptor when in the presence of Ni ²⁺ ions. The affinity of the Tris-NTA group for the His10-tag is characterized by a dissociation constant (K _d) in the range of approximately 10-30 nM[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9532 mL	4.7662 mL	9.5324 mL
5 mM	0.1906 mL	0.9532 mL	1.9065 mL
10 mM	0.0953 mL	0.4766 mL	0.9532 mL
50 mM	0.0191 mL	0.0953 mL	0.1906 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- 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.
- 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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