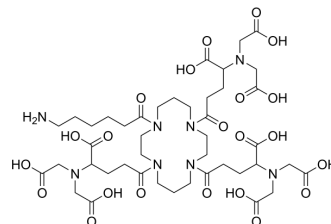


(Rac)-Tris-NTA

Cat. No.:	HY-D1288
CAS No.:	1146592-99-5
Molecular Formula:	C ₄₃ H ₆₈ N ₈ O ₂₂
Molecular Weight:	1049.04
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(Rac)-Tris-NTA is a His-tagged protein ligand, which can be used to bind His-tagged proteins ^{[1][2]} .
In Vitro	(Rac)-Tris-NTA, which in presence of Ni ²⁺ ions can interact with a His10-tag fused to the intracellular C terminus of the receptor. Whereas the (Rac)-Tris-NTA group shows an affinity K _d to bind the His10-tag of ~10-30 nM ^[1] . 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA