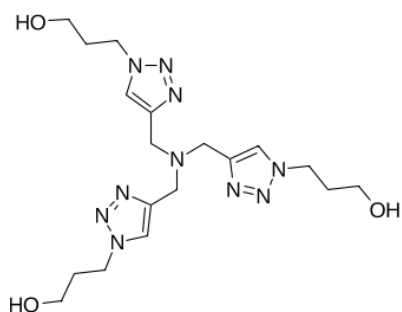


THPTA ligand

<http://www.lumiprobe.com/p/thpta-ligand>

THPTA ligand (tris-hydroxypropyltriazolylmethylamine) is a triazole ligand for water-based copper-catalyzed click chemistry reactions. This reagent is very well water-soluble. It is especially useful for click chemistry labeling and conjugation of proteins, including antibodies, when organic co-solvents are undesirable.



Structure of THPTA ligand

General properties

Appearance: off white solid

Molecular weight: 434.5

CAS number: 760952-88-3

Molecular formula: $C_{18}H_{30}N_{10}O_3$

IUPAC name: 3-[4-[[bis[[1-(3-hydroxypropyl)triazol-4-yl]methyl]amino]methyl]triazol-1-yl]propan-1-ol

Solubility: good in water, DMF, DMSO

Quality control: NMR 1H , HPLC-MS (95%)

Storage conditions: Storage: 24 months after receipt at $-20^{\circ}C$ in the dark. Transportation: at room temperature for up to 3 weeks.