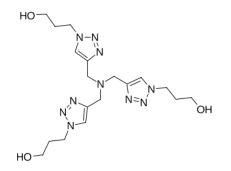


## **THPTA** ligand

## 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 <sup>1</sup> H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks.