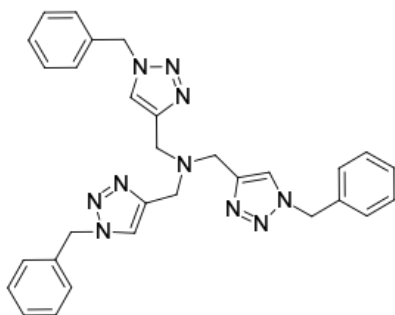


## TBTA ligand

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

TBTA (Tris(benzyltriazolylmethyl)amine) is a tertiary amine with three 1,2,3-triazole groups. It is one of the most widely used water-insoluble ligands for copper-catalyzed azide-alkyne cycloadditions (CuAAC). TBTA complexes with copper(I) and promotes click reaction catalysis through the stabilization of the copper(I)-oxidation state.



**Structure of TBTA ligand**

### General properties

Appearance: white solid

Molecular weight: 530.64

CAS number: 510758-28-8

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

IUPAC name: tris[(1-benzyl-1H-1,2,3-triazol-4-yl)methyl]amine

Solubility: good in DMSO, DMF, DCM, THF, Chloroform

Quality control: NMR  $^1H$  and HPLC-MS (95+%)

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

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