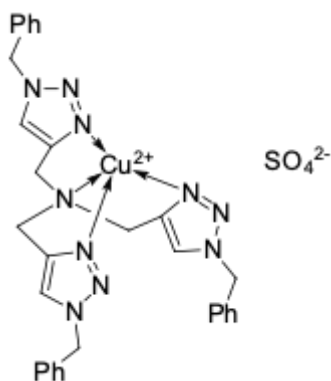


## Copper(II)-TBTA complex

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

A component of our recommended catalyst for conjugating azides with alkynes using a copper-catalyzed click reaction. This inactive complex is stable and contains divalent copper(II) as 10 mM CuSO<sub>4</sub> in 55% aqueous DMSO.

When Cu(II)-TBTA is treated with reducing agents, such as [ascorbic acid](#), a catalytically active complex with monovalent copper (I) is formed.



**Copper(II)-TBTA complex structure**

### General properties

Appearance: blue solution

Molecular weight: 690.23

Molecular formula: C<sub>30</sub>H<sub>30</sub>CuN<sub>10</sub>O<sub>4</sub>S

Quality control: functional testing (click chemistry)

Storage conditions: Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks.

Legal statement: Product is offered and sold for research purposes only. Product is not tested for safety and efficacy in food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, for humans or animals or for commercial purposes.