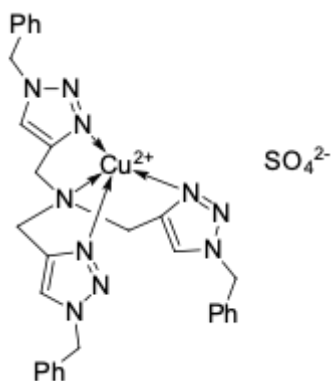


Copper(II)-TBTA complex

<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 CuSO₄ 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: C₃₀H₃₀CuN₁₀O₄S

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.

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