

Lumiprobe Corporation

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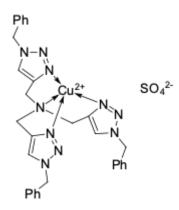
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Copper(II)-TBTA complex

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 <u>ascorbic acid</u>, 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 receival 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.