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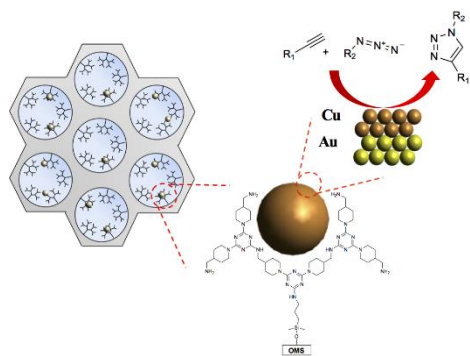


Copper-Gold Nanoparticles Encapsulated Within Surface-Tethered Dendrons as Supported Catalysts for the Click Reaction

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Graphical Abstract



Koishybay and Shantz Highlights

- 1. Stable copper overlayers on gold nanoparticles were synthesized
- 2. Better catalytic activity observed than unsupported CuNPs in the click reaction
- 3. Copper leaching was less than CuNPs encapsulated on bare SBA-15
- 4. Intermediates can be studied by in-situ FTIR

Keywords. Hybrid materials, dendrons, copper-gold nanoparticles, click chemistry

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