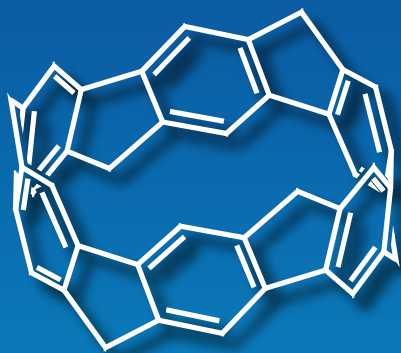


New

MATERIALS



# Methylene-bridged [6]CPP



Methylene-bridged  
[6]cycloparaphenylene

10mg / 50mg

[M3419]

## Advantages

- The first synthesized methylene-bridged cycloparaphenylene <sup>1)</sup>
- Enhanced  $\pi$ -conjugation and narrow bandgap by methylene bridges
- The segment of Haeckelite nanotube and fullerene  $C_{80}$
- Capable of selective functionalization of methylene groups <sup>2)</sup>

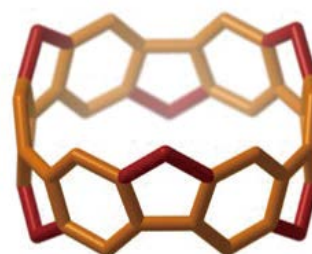
## Application



[6]Cycloparaphenylene

[C3386]

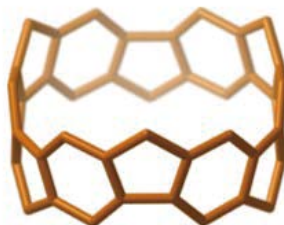
methylene bridge



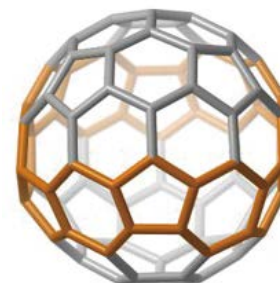
[M3419]



Haeckelite  
nanotube



Methylene-bridged  
[6]CPP

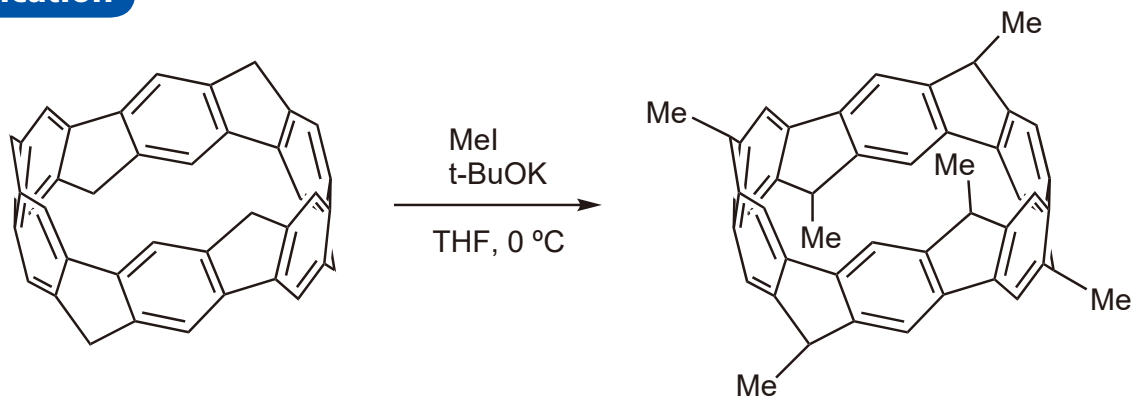


$I_h$ - $C_{80}$

Reference Y. Li, Y. Segawa, A. Yagi, K. Itami, *J. Am. Chem. Soc.* **2020**, *142*, 12850.  
<https://doi.org/10.1021/jacs.0c06007>

This product is commercialized under instruction by Professor Kenichiro Itami.

## Application



Reference X.-S. Du, D.-W. Zhang, Y. Guo, J. Li, Y. Han, C.-F. Chen, *Angew. Chem. Int. Ed.* **2021**, *60*, 13021.  
<https://doi.org/10.1002/anie.202102701>

## Related Products

[5]Cycloparaphenylene	20mg / 100mg	[C2931]
[6]Cycloparaphenylene	20mg	[C3386]
[7]Cycloparaphenylene	10mg	[C3571]
[8]Cycloparaphenylene	20mg	[C3544]
[9]Cycloparaphenylene	20mg	[C3465]
[10]Cycloparaphenylene	20mg	[C3493]
[11]Cycloparaphenylene	10mg	[C3536]
[12]Cycloparaphenylene	10mg	[C2449]
(6,6)Carbon Nanobelt Bis(tetrahydrofuran) Adduct	10mg	[I1078]

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TCI nanocarbon unit



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