

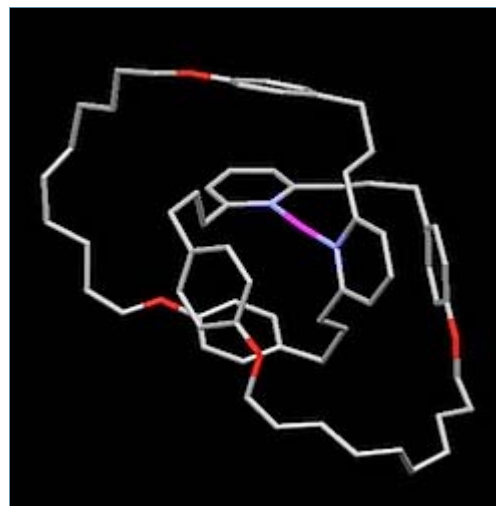
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Molecule of the Week (01)

August 30, 2008 in [MotW](#) by [skassel](#) | [No comments](#)

(<http://www.justachemblog.net/motw/dled169.html>)

The first 'Molecule of the Week' (MotW) is a gold(I) catenane published in the current issue of *Angewandte Chemie International Edition* (Goldup, S.M.; Leigh, D.A.; Lusby, P.J.; McBurney, R.T.; Slawin, A.M.Z. *Angew. Chem. Int. Ed.* **2008**, 47, 6999-7003). Catenanes consist of two or more interlocking macrocycles, think of a magician's 'linking rings.' I chose this molecule simply because I think it's wickedly cool, and that's enough for me, although they, along with rotaxanes, have potential as [molecular machines](#) (http://en.wikipedia.org/wiki/Molecular_machine). Check out David Leigh's [site](#) (<http://www.catenane.net/home/rotcatintro.htm>) for more information on catenanes and rotaxanes.



Clicking on the picture opens a window with an applet that lets you manipulate the molecule. Have fun!

No comments

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