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ADDITIONS & CORRECTIONS

RNA-Mediated Control of Metal Nanoparticle Shape

[*J. Am. Chem. Soc.* **2005,** *127,* 17814–17818]. Lina A. Gugliotti, Daniel L. Feldheim,* and Bruce E. Eaton*

In 2005, we reported on the selection of RNA sequences that mediate the formation of hexagonal and cubic particles from aqueous solutions containing the organometallic precursor $[Pd_2(DBA)_3]$ (DBA = dibenzylideneacetone). The use of aqueous solutions containing organic cosolvents is common when performing RNA in vitro selections for RNA catalysts of organic reactions.[1] The aqueous solutions used in our work may contain 1−10% THF as cosolvent. Another report claims that it is not possible to prepare aqueous/organic solutions of $[Pd_2(DBA)_3]$ without observing the formation of a precipitate.[2] However, as shown in Figure 1, our solutions are clearly free from gross precipitates. Indeed, others have reported the preparation of aqueous solutions of $[Pd_2(DBA)_3]$ using only 0.05% v/v of the cosolvent Triton X.[3]

Figure 1. Photograph of a 400 μM solution of $[Pd_2DBA_3]$ in a 90% H_2O/10% THF mixture.

Literature Cited

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