

**Dimerizing or Cyclizing C–C Bond Formation via C–H Bond Activation by Prior Zirconation** [*Organometallics* 2004, 23, 4181 DOI: 10.1021/om049550m]. John J. Eisch,\* and Somnath Dutta

The major reaction product claimed to have resulted from refluxing a THF solution of a 2:1 mixture of diphenylmethane and di-*n*-butylzirconium diethoxide and subsequent hydrolysis is stated to have been tetraphenylethylene (page 4181, column 2, second paragraph, and eq 3, as well as ref 1).

However, a thorough reexamination of this reaction has now shown that no tetraphenylethylene is formed and that the actual products are 5,5-diphenyl-1-pentanol (85%), 1,1,2,2-tetraphenylethane (5%), and remaining diphenylmethane (10%), together with 1-butanol. The 5,5-diphenyl-1-pentanol arose from the known cleavage of THF by diphenylmethyl metalics and the 1-butanol by the reductive cleavage of THF.<sup>2</sup>

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## REFERENCES

- (1) Dutta, S. *Doctoral Dissertation*; SUNY-Binghamton, Binghamton, NY, 2005.
- (2) Eisch, J. J.; Yu, K. Research in progress.

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