

- ²¹ U. Schöllkopf, K.-W. Henneke, K. Madawinata, R. Harms, *Liebigs Ann. Chem.* **1977**, 40.
- ²² D. H. R. Barton, G. Bringmann, D. Lamotte, W. B. Motherwell, R. S. H. Motherwell, *J. Chem. Soc., Perkin Trans 1* **1980**, 2657.
- ²³ I. Ugi, R. Meyr, M. Lipinski, F. Bodesheim, R. Rosendahl, *Org. Synth.*, Coll. Vol V (1973) 300.
- ²⁴ R. Obrecht, R. Hermann, I. Ugi, *Synthesis* **1985**, 400.
- ²⁵ W. Gulewitsch, T. Wasmus, *Ber. Dtsch. Chem. Ges.* **39** (1906) 1184.
- ²⁶ I. Frič, V. Špirko, K. Bláha, *Collect. Czech. Chem. Commun.* **33** (1968) 4008.
- ²⁷ G. L. Dunn, V. J. Di Pasquo, J. R. E. Hoover, *J. Org. Chem.* **33** (1968) 1454; L. E. Paquette, J. S. Ward, *ibid.* **37** (1972) 3569.
- ²⁸ See Fig. 2.6. in ref.⁹⁾ on p. 28.
- ²⁹ R. Schwesinger, *Chimia* **39** (1985) 269. We thank Dr. Schwesinger for providing a sample of BEMP [2-*tert*-butylimino)-2-(diethylamino)-perhydro-1,3-dimethyl-1,3,2-diazaphosphorine].
- ³⁰ W. Eberbach, B. Burchardt, *Chem. Ber.* **111** (1978) 3665. We thank Prof. Eberbach and T. Hübner for the opportunity to use this apparatus and for technical assistance.

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