

a) Yields are based upon the lithium chloropalladite. b) Bp 102—103 °C/18 mmHg (lit.^h) bp 110 °C/26 mmHg). c) Bp 80—82 °C/18 mm Hg (lit.ⁱ) bp 80—85 °C/20 mm Hg). d) Mp 67—68 °C (lit.^j) mp 68 °C). e) Mp 48—49 °C (lit.^k) mp 49—50 °C). f) Mp 88—90 °C (lit.^l) mp 90 °C). g) Mp 137—139 °C (lit.^m) mp 138—139 °C). h) H. E. Zimmerman, G. L. Grunewald, and R. M. Paufler, "Organic Synthesis," Vol. 46, p. 101 (1966). i) E. Dunkelbleum, M. Rey, and A. S. Dreiding, *Helv. Chim. Acta*, **54**, 6 (1971). j) J. Kalf, *Rec. Trav. Chim. Pays-Bas*, **46**, 596 (1927). k) K. Yamada, *This Bulletin*, **35**, 1323 (1962). l) K. E. Schulte, J. Reisch, and O. Heine, *Arch. Pharmaz.*, **294**, 236 (1961). m) A. Arndt and B. Eistert, *Ber.*, **58**, 2318 (1925).

mixed-melting-point determination, by comparing the retention times on the gas chromatogram, and by the observation of the IR and NMR spectra. The results are summarized in Table 1.

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