

benzofuran derivatives

R 0070

11 - 154

**An Efficient Butenolide Annulation via  $\alpha$ -Chloroacetoxylation of Enones Using Manganese(III) Acetate and Chloroacetic Acid.** —

The fused butenolides (VI) are prepared in three steps from the substituted cyclohexenones (I). After chloroacetylation, an Arbuzov reaction yields the phosphonates (V), which undergo intramolecular Horner-Emmons reaction upon treatment with sodium hydride (2 further examples). — (DEMIR, A. S.; AKGUEN, H.; TANYELI, C.; SAYRAC, T.; WATT, D. S.; *Synthesis* (1991) 9, 719-721; Dep. Chem., Middle East Technical Univ., 06531 Ankara, Turkey; EN)

