Formal Total Synthesis of (±)-Trichodiene via Claisen Rearrangement and Robinson Annulation

Jae-Chul Jung\textsuperscript{a}, Young-Jo Jung\textsuperscript{b}, and Oee-Sook Park\textsuperscript{c}

\textsuperscript{a} Department of Neuroscience and Medical Research Institute, College of Medicine, Ewha Womans University, Ewha Global Challenge BK21, Seoul 158-710, South Korea
\textsuperscript{b} Union Chemical Corporation, Cheongju 361-290, Chungbuk, South Korea
\textsuperscript{c} Department of Chemistry, Institute for Basic Sciences, College of Natural Sciences, Chungbuk National University, Cheongju 361-763, Chungbuk, South Korea

Reprint requests to Prof. Oee-Sook Park. Fax: +82-43-267-227. E-mail: ospark@cbnu.ac.kr


A facile formal total synthesis of (±)-trichodiene was achieved by employing Claisen rearrangement and Robinson annulation as synthetic key strategies.

\textit{Key words:} (±)-Trichodiene, Claisen Rearrangement, Robinson Annulation