A New Synthesis of Two Naturally Occurring Dihydrobenzo[b]furan-Type Neolignans of Potential Biological Activity

László Juhásza, Zoltán Dinya, Sándor Antusa, and Tamás E. Gunda

a Department of Organic Chemistry, University of Debrecen, P. O.Box 20, H-4010 Debrecen, Hungary
b Research Group of Antibiotics of the Hungarian Academy of Sciences, University of Debrecen, P. O.Box 70, H-4010 Debrecen, Hungary

Reprint requests to Sándor Antus. Fax: +36-52-453-836. E-mail: antuss@tigris.klte.hu

Z. Naturforsch. 56b, 554–559 (2001); received May 31, 2000

Benzofurans, Neolignan, Heck Reaction

A new synthesis of the racemates of two naturally occurring neolignans 1 and 2 was achieved via the 2,3-dihydrobenzo[b]furan derivative 3, starting from the commercially available materials o-vanillin (6) and acetovanillone (9).