Novel Resorcinol Derivatives from *Lasiodiplodia theobromae*

Qing Yang, Maki Asai and Teruhiko Yoshihara*

Division of Applied Bioscience, Graduate School of Agriculture, Hokkaido University, Sapporo, 060–8589, Japan. Fax: +81–11–706–2505.

E-mail: yosihara@chem.agr.hokudai.ac.jp

* Author for correspondence and reprint request


*Lasiodiplodia theobromae*, Potato Micro-Tuber Inducing Substance, Resorcinol Derivatives

Two novel resorcinol derivatives were isolated from the mycelium of *Lasiodiplodia theobromae* IFO 31059 as potato micro-tuber inducing compounds. Their structures were established by spectroscopic methods as ethyl (6'R)-2,4-dihydroxy-6-(6'H-hydroxyheptyl)benzoate (8) and isobutyl (6'R)-2,4-dihydroxy-6-(6'H-hydroxyheptyl)benzoate (9). The absolute stereochemistry of the asymmetric center of (8) was determined by an advanced Mosher method.