## Metabolites from a Wood-Inhabiting Basidiomycete Patrick Filip<sup>a</sup>, Timm Anke<sup>a\*</sup> and Olov Sterner<sup>b\*</sup>

5-(2'-Oxoheptadecyl)-resorcinol and 5-(2'-Oxononadecyl)-resorcinol, Cytotoxic

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Z. Naturforsch **57c**, 1004–1008 (2002); received June 13/July 17, 2002 5-(2'-Oxoheptadecyl)-resorcinol and 5-(2'-Oxononadecyl)-resorcinol, Basidiomycete, Cytotoxic Activities 5-(2'-oxoheptadecyl)-resorcinol (1) and 5-(2'-oxononadecyl)-resorcinol (2) were isolated from fermentations of an imperfect basidiomycete. The structures of the compounds were determined by spectroscopic techniques. Both compounds exhibit cytotoxic effects against

the human colon tumor cell lines COLO-320, DLD-1 and HT-29 and the human promyeloid leukemia cell line HL-60, the human leukemia T cell JURKAT, the human hepatocellular carcinoma cell line HEP-G2 as well as the J774 mouse macrophage cell line. The compounds induce morphological and physiological differentiation of HL-60 cells into granulocytes, which subsequently die by apoptosis.

Both compounds show no antibacterial and antifungal activity.