

New Bioactive Chalcones in Propolis from El Salvador

Milena Popova, Vassya Bankova^{a,*}, Stefan Spassov^a, Iva Tsvetkova^b,
Christo Naydenski^b, Mario Vides Silva^c and Maria Tsartsarova^d

^a Institute of Organic Chemistry with Centre of Phytochemistry, Bulgarian Academy of Sciences, 1113 Sofia, Bulgaria. E-mail: bankova@orgchm.bas.bg

^b Institute of Microbiology, Bulgarian Academy of Sciences, 1113 Sofia, Bulgaria

^c Apiarios "Vides Silva", El Salvador, Central America

^d Department of Chemistry, South-West University "Neofit Rilsky", 2700 Blagoevgrad, Bulgaria

* Author for correspondence and reprint request

Z. Naturforsch. **56c**, 593–596 (2001); received February 5/March 27, 2001

El Salvador Propolis, Chalcones, Antibacterial and Antifungal Activity

2',3'-Dihydroxy-4,4'-dimethoxychalcone (**1**) and 2',3',4-trihydroxy-4'-methoxy-chalcone, two new chalcones, were isolated from propolis from El Salvador. The compounds showed significant antibacterial and antifungal activity and moderate toxicity to *Artemia salina* nauplii.