Sugar Esters from Globularia orientalis

İhsan Calis^{a,*}, Hasan Kirmizibekmez^a, Deniz Tasdemir^a, Otto Sticher^b and Chris M. Ireland^c

Department of Pharmacognosy, Faculty of Pharmacy, Hacettepe University, TR-06100 Ankara, Turkey, Fax: 90-312-3114777, E-mail: icalis@hacettepe.edu.tr Department of Applied Biosciences, Institute of Pharmaceutical Sciences, Swiss Federal Institute of Technology (ETH) Zurich, CH-8057 Zürich, Switzerland

Department of Medicinal Chemistry, University of Utah, Salt Lake City, Utah 84112, USA

* Author for correspondence and reprint requests Z. Naturforsch. **57c**, 591–596 (2002); received March 12/April 14, 2002

Globularia orientalis, Sugar Esters, Iridoid and Phenylethanoid Glycosides

From the methanolic extract of the underground parts of Globularia orientalis, a new

antioxidant sugar ester was isolated. The structure of the new compound, globularitol (1),

was identified as 6-O-feruloyl- β -D-glucopyranosyl- $(1 \rightarrow 6)$ -glucitol by spectroscopic methods (1D and 2D NMR, ESI- and FAB-MS) and confirmed by chemical means.