

Flavonoids from *Tephrosia major*. A New Prenyl- β -hydroxychalcone^a

Federico Gómez-Garibay, Oswaldo Téllez-Valdez, Gregorio Moreno-Torres
and José S. Calderón*

Instituto de Química de la Universidad Nacional Autónoma de México Circuito Exterior,
Ciudad Universitaria, Coyoacán, 04510 México, D. F. Fax: (52) (55) 56162203.
E-mail: uscalder@correo.unam.mx

* Author for correspondence and reprint requests

Z. Naturforsch. **57c**, 579–583 (2002); received April 3, 2002

Tephrosia major, Leguminosae, Prenylated- β -hydroxychalcone

The roots and aerial parts of *Tephrosia major* Micheli, afforded a new prenylated- β -hydroxychalcone, characterized as 2',6'-dihydroxy-3'-prenyl-4'-methoxy- β -hydroxychalcone. In addition, seven prenylated flavonoids, two rotenoids, β -sitosterol, stigmasterol, lupeol and quercetin were isolated. The structure of the new β -hydroxy chalcone was established by spectroscopic methods, including 2D NMR experiments.