Chromene Chalcones from *Tephrosia carrollii* and the Revised Structure of *Oaxacacin*[§]

Federico Gómez-Garibay, Minarda De La O Arciniega, Carlos L. Céspedes, Javier Taboada[†] and José S. Calderón*

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

* Author for correspondance and reprint requests

Z. Naturforsch. **56c,** 969–972 (2001); received May 7/June 12, 2001

Tephrosia carrollii, Leguminosae, Chromene Chalcones

The aerial parts of *Tephrosia carrollii* afforded two chromene chalcones. Their structures and stereochemistry were established by spectroscopic methods. The structure of oaxacacin was revised and confirmed by X-ray diffraction. In this paper, we describe the isolation of the chalcone known as "oaxacacin" and the new chalcone named epoxyobovatachalcone. The compound der. oaxacacin was found to be identical with obovatachalcone based on spectroscopic evidence and X-ray diffraction.