

Antifungal Methylphenone Derivatives and 5-Methylcoumarins from *Mutisia friesiana*

Carmen I. Viturro^a, Juana R. de la Fuente^b, and Marta S. Maier^{c,*}

^a Facultad de Ingeniería, Universidad Nacional de Jujuy, Gorriti 237, 4600 S. S. de Jujuy, Jujuy, Argentina

^b Facultad de Ciencias Exactas, Universidad Nacional de Salta, Buenos Aires 177, 4400 Salta, Salta, Argentina

^c Departamento de Química Orgánica, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Ciudad Universitaria, 1428 Buenos Aires, Argentina.
Fax: 541145763346. E-mail: maier@qo.fcen.uba.ar

* Author for correspondence and reprint requests

Z. Naturforsch. **58c**, 533–540 (2003); received November 6, 2002/February 27, 2003

In addition to the known mutisicoumarin A, the aerial parts of the shrub *Mutisia friesiana* afforded five new methylphenones, two new 5-methylcoumarins and a new related chromone. Their structures were elucidated by spectroscopic methods. ¹³C NMR data for mutisicoumarin A are reported for the first time. Mutisiphenones A and B and mutisicoumarin A showed antifungal activity against the phytopathogenic fungus *Cladosporium cucumerinum*.

Key words: *Mutisia friesiana*, 5-Methylcoumarins, Methylphenone Derivatives