Tyrosinase Inhibitor Fatty Ester and a Quinoline Alkaloid from *Skimmia laureola*

Nighat Sultana^a, Atta-ur-Rahman^b, and Tariq H. Khan^b

 ^a Pharmaceutical Research Center, PCSIR Laboratories Complex, Karachi-75280, Pakistan
^b International Center for Chemical Sciences, H. E. J. Research Institute of Chemistry, University of Karachi, Karachi-75270, Pakistan

Reprint requests to Dr. N. Sultana. E-mail: nighat2001us@yahoo.com

Z. Naturforsch. 60b, 1186-1191 (2005); received April 24, 2005

Aerial parts of *Skimmia laureola* yielded a new tyrosinase inhibitor fatty ester, (+)-skimmidiol (1), and a new alkaloid ribaliprenylene (2). The configuration at C-3' in 1 was established by Horeau's procedure. Compound 1 was screened for its enzyme inhibitory activity against tyrosinase (E.C.1.14.18.1), exhibiting activity with IC₅₀ 51.25 \pm 1.10165 μ M.

Key words: Skimmia laureola, Fatty Acid Ester, Tyrosinase Activity, Rutaceae