Isolation of Bioactive Compounds from *Aspergillus terreus*

Muhammad I. Choudhary, Syed G. Musharraf, Talat Mukhmoor, Farzana Shaheen, Shamsher Ali, and Atta-ur-Rahman

H. E. J. Research Institute of Chemistry, International Center for Chemical Sciences, University of Karachi, Karachi-75270, Pakistan

Reprint requests to Prof. Dr. M. I. Choudhary. Fax: (92-21) 9243190-9243191.
E-mail: hej@cyber.net.pk

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A new metabolite, 6-(4’-hydroxy-2’-methyl phenoxy)-(−)-(3R)-mellein (1) was isolated from the ethyl acetate extract of *Aspergillus terreus* culture medium along with three known isocoumarin derivatives, (−)-(3R)-6-methoxymellein (2), (−)-(3R)-6,7-dimethoxymellein (Kigelin) (3) and (3R, 4R)-6,7-dimethoxy-4-hydroxymellein (4). Metabolites 1 and 4 showed significant activity against human pathogenic dermatophytes, *Microsporum canis* and *Trichophyton longifusus*. Metabolite 1 also exhibited potent antioxidant activity. The structures of metabolites were characterized on the basis of spectroscopic techniques. $^{13}$C NMR data of metabolites 2 – 4 are also being reported for the first time.

Key words: *Aspergillus terreus*, 6-(4’-Hydroxy-2’-methyl phenoxy)-(−)-(3R)-mellein, Antifungal Activity, Antioxidant