Five New Bioactive Sesquiterpenes from the Fungus *Radulomyces confluens* (Fr.) Christ.

Kerstin Fabiana, Kirsten Lorenzen, Timm Anke, Martin Johansson and Olov Sterner

*a* Lehrbereich Biotechnologie der Universität, Paul-Ehrlich-Straße 23, D-67663 Kaiserslautern, Germany

*b* Division of Organic Chemistry 2, University of Lund, P. O.Box 124, S-22100 Lund, Sweden


*Dedicated to Professor Wolfgang Steglich on the occasion of his 65th birthday*

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The three protoilludanes radulone A (1), radulone B (2) and radudiol (3), the illudalane radulactone (4) and the illudane radulol (5) were isolated from the extracts of the culture fluids of the basidiomycete *Radulomyces confluens*. The structures of the five new compounds were determined by spectroscopic techniques. Radulone A (1) is a potent inhibitor of human and bovine platelet aggregation stimulated by different agonists, inhibiting preferentially the aggregation of human platelets induced by ADP with an IC$_{50}$ value of 2 µM. In addition 1 exhibits cytotoxic and antimicrobial activities. The other four compounds exhibited weak antimicrobial and cytotoxic activity.

Reprint requests to Prof. Anke. Fax: +49-631 205 2999. E-mail: anke@rhrk.uni-kl.de