

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

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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 IC₅₀ value of 2 μM. In addition **1** exhibits cytotoxic and antimicrobial activities. The other four compounds exhibited weak antimicrobial and cytotoxic activity.

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