



## Cytotoxic Constituents from *Lobaria scrobiculata* and a Comparison of Two Bioassays for Their Evaluation

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Titre	Cytotoxic Constituents from <i>Lobaria scrobiculata</i> and a Comparison of Two Bioassays for Their Evaluation
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Auteur	Schinkovitz, Andreas [1], Kaur, Aman [2], Urban, Ernst [3], Zehl, Martin [4], Páchniková, Gabriela [5], Wang, Yuehong [6], Kretschmer, Nadine [7], Slaninová, Iva [8], Pauli, Guido [9], Franzblau, Scott G [10], Krupitza, Georg [11], Bauer, Rudolf [12], Kopp, Brigitte [13]
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Résumé en anglais	Lichens are resilient organisms, known for their unique profiles of secondary metabolites and for exhibiting antioxidative, antibacterial, and cytotoxic effects. Analyzing the cytotoxic potential of <i>Lobaria scrobiculata</i> , a bioassay-guided fractionation strategy yielded seven known metabolites, with two of these compounds, <b>2</b> and <b>3</b> , exhibiting cytotoxicity against HL-60 cells. In order to verify the potential impact of degradation on observed bioactivity, a purity and stability evaluation was conducted. The consistency of results obtained by the water-soluble tetrazolium salt-1 assay and trypan blue cytotoxicity assay was evaluated for selected compounds.
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### Liens

- [1] <http://okina.univ-angers.fr/a.schinkov/publications>
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