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Ministry of Higher Education

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**Faculty of Science**



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**Isolation and structure determination of the biologically active sphingolipids from marine sponge Haliclona species**

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**Abstract**

In a continuation to our study on the marine sponge Haliclona species we have isolated three new cytotoxic components of sphingolipids (1-3). Methanolysis of the sphingolipid 1a-d in methanol produces fatty acid methyl ester. GC/MS was used to determine the length. The structure of each isolated compound has been determined on the basis of spectroscopic data and chemical evidence.

**Author Keywords**

<sup>1</sup>H, <sup>13</sup>C NMR; Cytotoxicity; GC-MS; Haliclona sponge; Sphingolipids

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