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# on **Marine Natural Products**

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Programme  
and Abstracts

NEW LAURENANE ACETOGENINS FROM THE RED ALGA *Laurencia microcladia*

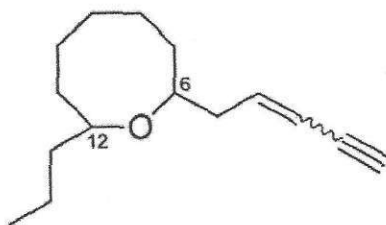
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Members of the genus *Laurencia* are thalloid algae comprising approximately 120 species which occur worldwide in different marine habitats. They have been proven to be a rich source of bioactive natural products, mainly of halogenated terpenoids and acetogenins. Although the roles of these halogenated metabolites have not been clearly investigated, they have been suggested to function as chemical defence substances against marine herbivores.

Specimens of *Laurencia microcladia* were collected in Zakynthos Island in the Ionian Sea. Extraction of the dried algal tissues with mixtures of CH<sub>2</sub>Cl<sub>2</sub>/MeOH, followed by chromatographic fractionation (VLC, CC, HPLC) led to the isolation of eight new and twenty previously reported secondary metabolites.

The structures of the isolated natural products were elucidated on the basis of 1D and 2D NMR and MS data. The new metabolites are C<sub>15</sub> acetogenins sharing the laurenane skeleton with various substituents on the eight-membered ether ring.



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