

THE GLYCERYL ETHER DERIVATIVES FROM  
SRI LANKAN SOFT CORAL SINULARIA SP.

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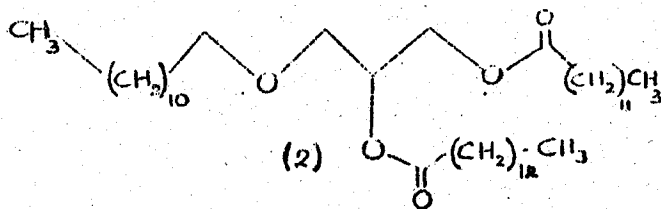
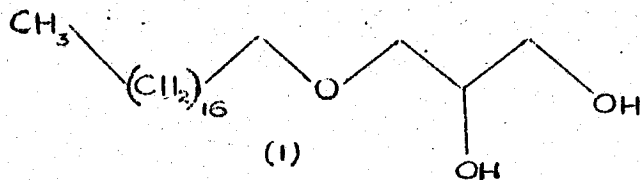
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In continuing our search for biologically active secondary metabolites from Sri Lankan marine organisms<sup>1,2,3</sup>, we have examined the chemical constituents of two Sinularia species, namely Sinularia crispa and Sinularia abrupta collected from the coastal waters off Unawatuna in the southern coast and Kalkudah in the eastern coast of Sri Lanka respectively.

Fresh specimens of Sinularia crispa were extracted with  $\text{CH}_2\text{Cl}_2$  - MeOH at room temperature. The extract was partitioned into light petroleum and  $\text{CH}_2\text{Cl}_2$  respectively. Gel - permeation and gel - partition chromatography of the light petroleum extract followed by medium pressure liquid chromatography on a  $\text{C}_{18}$  reverse phase column yielded a white solid, which on recrystallisation from MeOH gave crystalline needles of the glyceryl ether (1), m.p.  $69^\circ\text{C}$  which was identified using spectral data.

Fresh specimens of the softcoral Sinularia abrupta were extracted with  $\text{CH}_2\text{Cl}_2$ -MeOH at room temperature. The extract was partitioned into light petroleum and  $\text{CH}_2\text{Cl}_2$ -MeOH at room temperature. The extract was partitioned into light petroleum and  $\text{CH}_2\text{Cl}_2$  respectively. Repeated chromatographic separation of the  $\text{CH}_2\text{Cl}_2$  extract on silica in  $\text{CH}_2\text{Cl}_2$ -MeOH of increasing polarity yielded a white solid. Recrystallisation from MeOH gave white needles of the glyceride ether (2), m.p.  $52^\circ\text{C}$  which was identified by spectral data.



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A new Furanocembranoid Diterpene from Sri Lankan Soft Coral  
Sinularia abrupta.