

Sterols from Marine Sponge *Haliclona simulans* by LC-HRFTMS

ACE[®]
Ultra-inert
UHPLC & HPLC Columns

Application #AN4790

Conditions

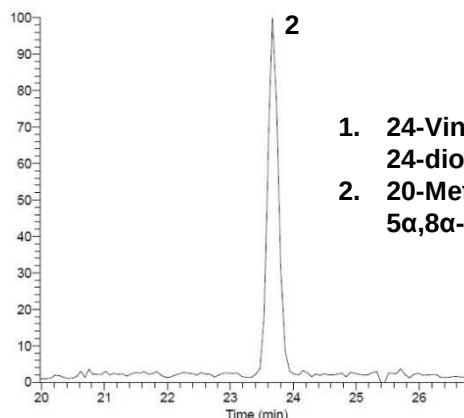
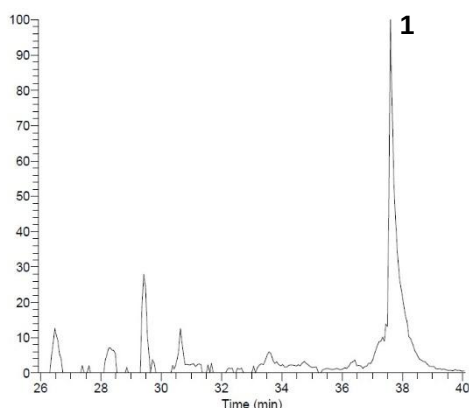
Column: ACE 5 C18
Dimensions: 75 x 3.0 mm
Part Number: ACE-121-7503
Mobile Phase: A: 0.1% formic acid in H₂O
B: 0.1% formic acid in MeCN

Time (mins)	%B
0	10
30	100
35	100

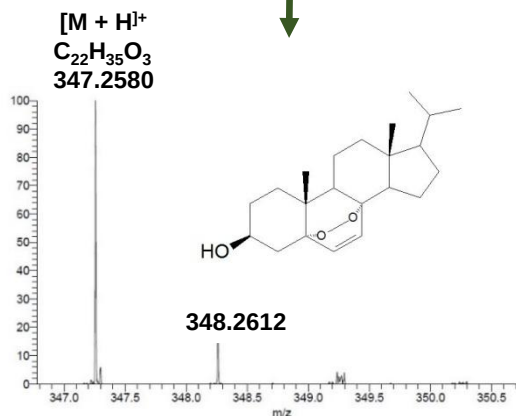
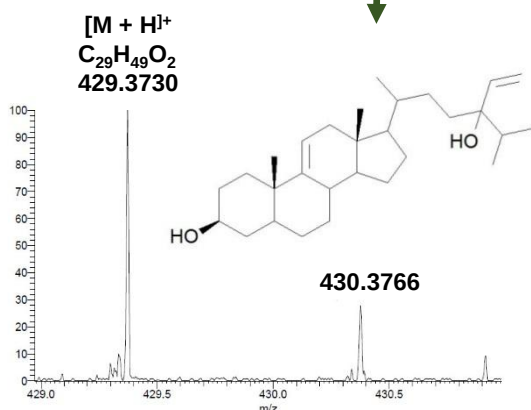
Flow Rate: 0.3 mL/min

Detection: Thermo Scientific Exactive Orbitrap
Positive ion ESI accurate mass

Sample: Extract of freeze-dried *Haliclona simulans* sponge subjected to fractionation by flash chromatography



1. 24-Vinyl-cholest-9-ene-3 β , 24-diol
2. 20-Methyl-pregn-6-en-3 β -ol, 5 α ,8 α -epidioxy



Vieglmann C, Parker J, Ooi T, Clements C, Abbott G, Young L, Kennedy J, Dobson ADW, Edrada-Ebel R. (2014) Isolation and identification of antitrypanosomal and antimycobacterial active steroids from the sponge *haliclona simulans*. *Marine Drugs*, **12**, 2937-2952. doi:10.3390/md12052937 (<http://creativecommons.org/licenses/by/3.0/>)

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