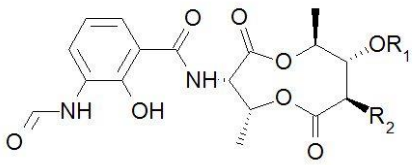
Antimycins from Marine Sponge *Streptomyces* sp. by LC-HRMS

ACE® Ultra-inert UHPLC & HPLC Columns

Conditions

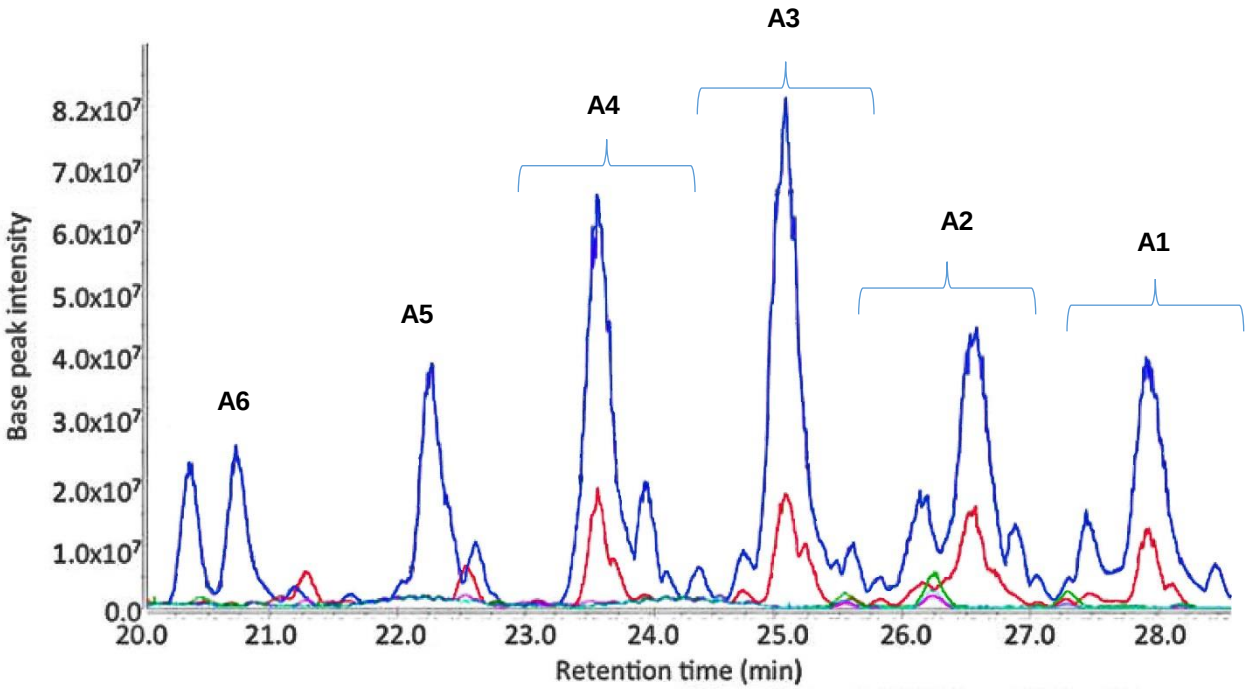
Column:	ACE 5 C18
Dimensions:	75 x 3.0 mm
Part Number:	ACE-121-7503
Mobile Phase:	A: 0.1% (v/v) formic acid in H_2O B: 0.1% (v/v) formic acid in MeCN

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



Antimycin A

Flow Rate:	0.3 mL/min
Injection:	10 µL
Detection:	Thermo Exactive Orbitrap High resolution (15,000) ESI in positive ion mode Spray Voltage: 4.5 kV Capillary Temperature: 268 °C Capillary Voltage: 30 V
Sample:	Antifungal fraction from *Streptomycin* sp. SM8 extract from *Haliclona simulans* marine sponge



Antimycin A standard — Extract from SM8 wild type grown on oatmeal culture media

Viegelmann C, Margassery LM, Kennedy J, Zhang T, O'Brien C, O'Gara F, Morrissey JP, Dobson ADW, Edrada-Ebel R. Metabolomic profiling and genomic study of a marine sponge-associated *Streptomyces* sp. Marine Drugs 12, 3323-3351 (2014). doi:10.3390/md12063323

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Antimycin	R_1	R_2
A1a	$C{=}OCH(CH_3)CH_2CH_3$	$(CH_2)_5CH_3$
A1b	$C{=}OCH_2CH(CH_3)_2$	$(CH_2)_5CH_3$
A2a	$C{=}OCH(CH_3)_2$	$(CH_2)_5CH_3$
A2b	$C{=}OCH_2CH_2CH_3$	$(CH_2)_5CH_3$
A3a	$C{=}OCH(CH_3)CH_2CH_3$	$(CH_2)_3CH_3$
A3b	$C{=}OCH_2CH(CH_3)_2$	$(CH_2)_3CH_3$
A4a	$C{=}OCH(CH_3)_2$	$(CH_2)_3CH_3$
A4b	$C{=}OCH_2CH_2CH_3$	$(CH_2)_3CH_3$
A5	$C{=}OCH_2CH(CH_3)_2$	CH_2CH_3
A6	$C{=}OCH_2CH_2CH_3$	CH_2CH_3

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