

Phytoestrogens from Hop Extract by LC-MS/MS

ACE[®]
Ultra-inert
UHPLC & HPLC Columns

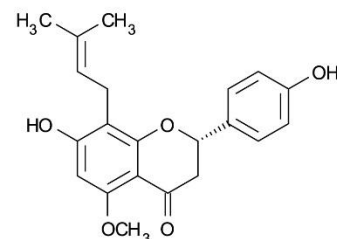
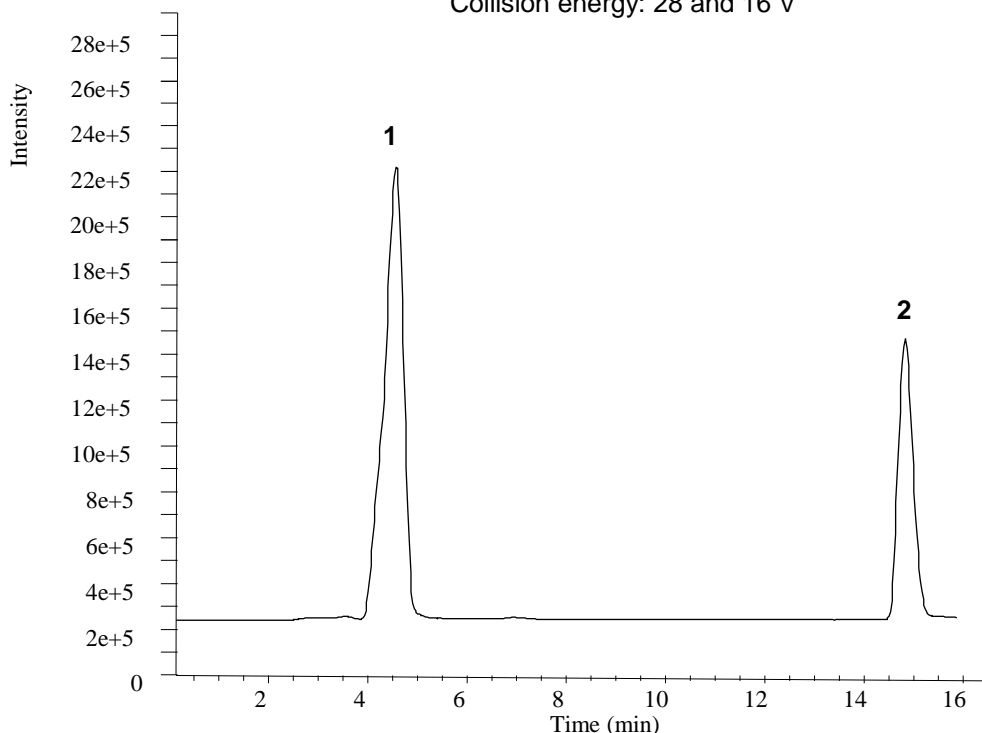
Application #AN1160

Conditions

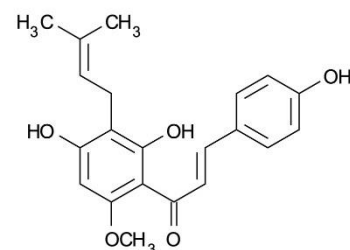
Column: ACE 3 C18-AR
Dimensions: 150 x 4.6 mm
Part Number: ACE-119-1546
Mobile Phase: A: 1% formic acid in MeCN
B: 1% formic acid in MeOH
C: 1% formic acid in H₂O
D: MeOH

Time (mins)	%A	%B	%C	%D
0	56	0	44	0
8	51	5	44	0
10	51	5	44	0
17	95	5	0	0
22	95	0	0	5

Flow Rate: 0.6 mL/min
Detection: TSQ-Quantum triple quad ESI
Spray voltage: -4500 V
Precursor ion: 355.4 [M+H]⁺
MRM transition ions: 179 and 299
Collision energy: 28 and 16 V



1. Isoxanthohumol
LOQ 0.07 µg/mL



2. Xanthohumol
LOQ 0.01 µg/mL

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UHPLC & HPLC
Columns

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