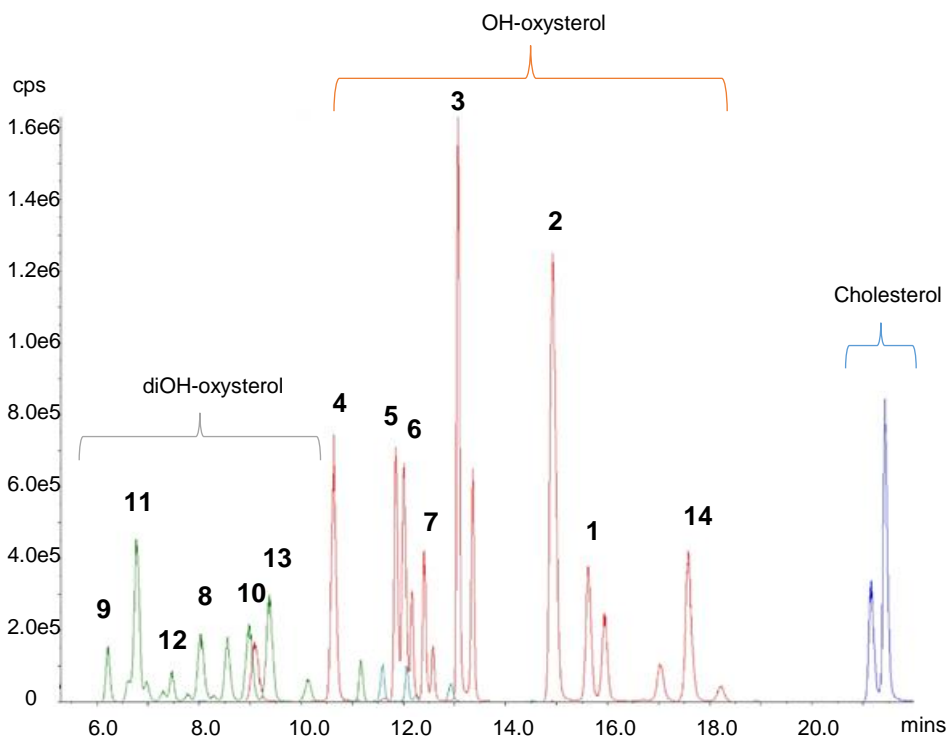


Conditions

Column: ACE 3 C18-AR
Dimensions: 150 x 2.1 mm
Part Number: ACE-119-1502
Mobile Phase: A: 0.1% formic acid in H₂O:MeOH (70:30 v/v)
B: 0.1% formic acid in MeOH

Time (mins)	%B
0.0	20
1.0	20
3.5	60
8.5	60
11.5	80
16.5	80
20.0	90
22.5	90
25.0	20

Flow Rate: 0.3 mL/min
Temperature: 40 °C
Detection: AB SCIEX API 4000 MS
Turbo IonSpray, positive mode MRM
Sample: Derivatised with Girard P reagent



- 7 α -Hydroxycholesterol (m/z 534.4 \rightarrow 455.4)
- 7 β -Hydroxycholesterol (m/z 534.4 \rightarrow 455.4)
- 22(S)-Hydroxycholesterol (m/z 534.4 \rightarrow 455.4)
- 22(R)-Hydroxycholesterol (m/z 534.4 \rightarrow 455.3)
- 24(S)-Hydroxycholesterol (m/z 534.5 \rightarrow 455.4)
- 25-Hydroxycholesterol (m/z 534.4 \rightarrow 455.4)
- 27-Hydroxycholesterol (m/z 534.4 \rightarrow 455.4)
- 7 α ,25-Dihydroxycholesterol (m/z 550.4 \rightarrow 471.4)
- 7 β ,25-Dihydroxycholesterol (m/z 550.4 \rightarrow 471.4)
- 7 α ,27-Dihydroxycholesterol (m/z 550.4 \rightarrow 471.4)
- 7 β ,27-Dihydroxycholesterol (m/z 550.4 \rightarrow 471.4)
- 3 β ,25-Dihydroxy-5-cholesten-7-one (m/z 550.4 \rightarrow 471.4)
- 3 β ,27-Dihydroxy-5-cholesten-7-one (m/z 550.4 \rightarrow 471.4)
- 5 α ,6 α -Epoxycholestanol (m/z 534.4 \rightarrow 455.4)

Reproduced from supplement (pnas.org/content/suppl/2014/08/01/1322807111) to 'Oxysterols are agonist ligands of ROR γ t and drive Th17 cell differentiation', PNAS, 111 (33), 12163-12168 (2014)

© 2015 ACT Ltd. All rights reserved. All products are available worldwide.