

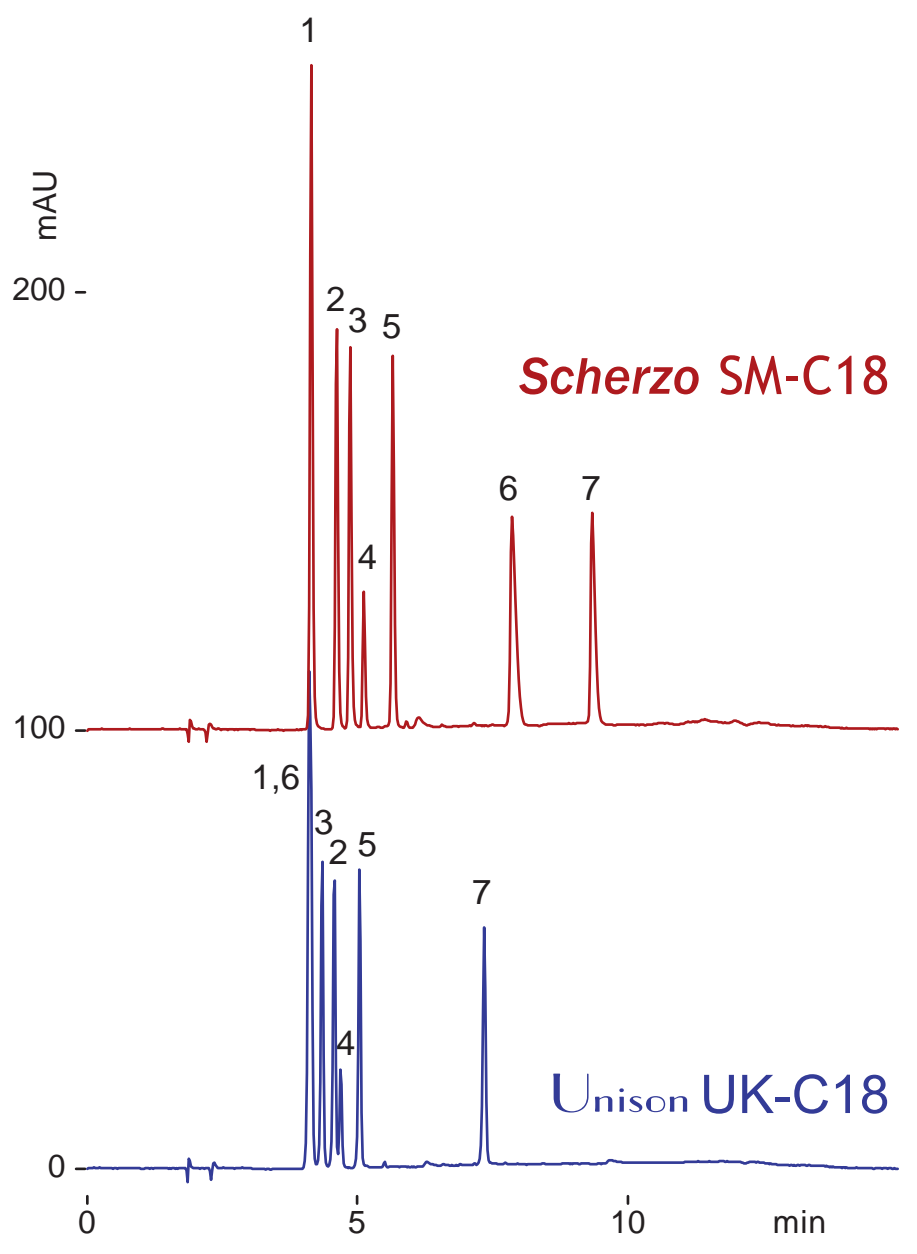
Scherzo SM-C18
Unison UK-C18

150 x 3 mm

Application

Aromatic carboxylic acids

芳香族カルボン酸



- 1 O=C(O)c1ccc(O)cc1
p-hydroxybenzoic acid
(pKa=4.5)
- 2 O=C(O)c1cccc(O)c1
m-hydroxybenzoic acid
(pKa=4.3)
- 3 O=C(O)c1ccc(cc1)C(=O)O
terephthalic acid (*p*-)
(pKa=3.5, 4.4)
- 4 O=C(O)c1cccc(C(=O)O)c1
isophthalic acid (*m*-)
(pKa=3.7, 4.6)
- 5 O=C(O)c1ccccc1C(=O)O
homophthalic acid
- 6 O=C(O)c1ccccc1C(=O)O
o-phthalic acid
(pKa=2.7, 4.9)
- 7 O=C(O)c1ccccc1O
o-hydroxybenzoic acid
(pKa=2.9, 13.6)

150 x 3 mm

A: water / formic acid = 100 / 0.1,

B: acetonitrile / formic acid = 100 / 2

20-70 %B (0-10min), 0.4 mL/min (9MPa)

37 deg.C, 275 nm, 2 uL (0.2-1 ug)