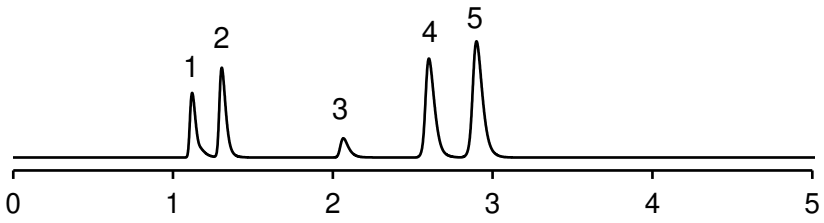
ChromaNik Technologies Inc.

局所麻酔薬の分離 (3)

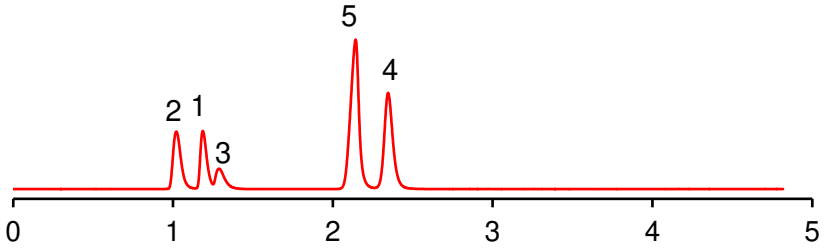
Local anesthetic (3)

ArmorShell C18 2.6 µm, 100 x 2.1 mm i.d.

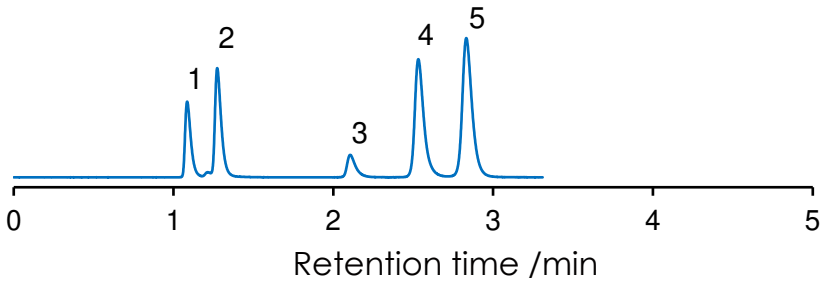
Methanol:20 mM Phosphate buffer (pH 7.0) = 70:30



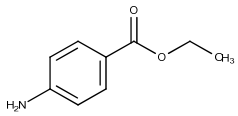
Methanol:20 mM Ammonium acetate buffer (pH 6.8) = 70:30



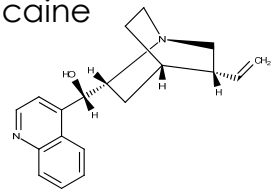
Methanol:20 mM Ammonium bicarbonate buffer (pH 10.0) = 70:30



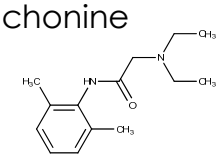
1. Benzocaine



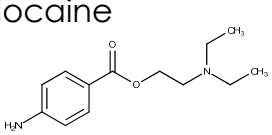
2. Procaine



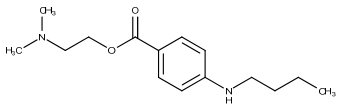
3. Cinchonine



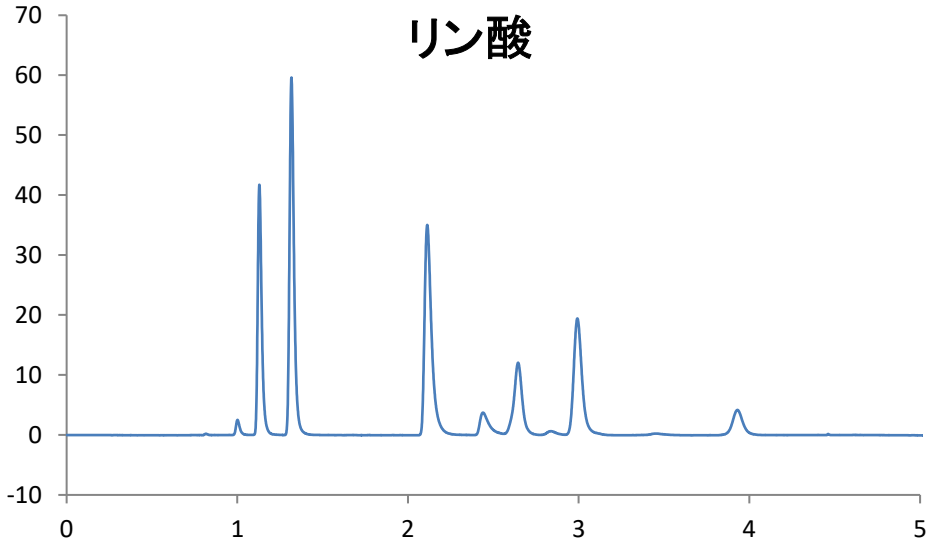
4. Lidocaine

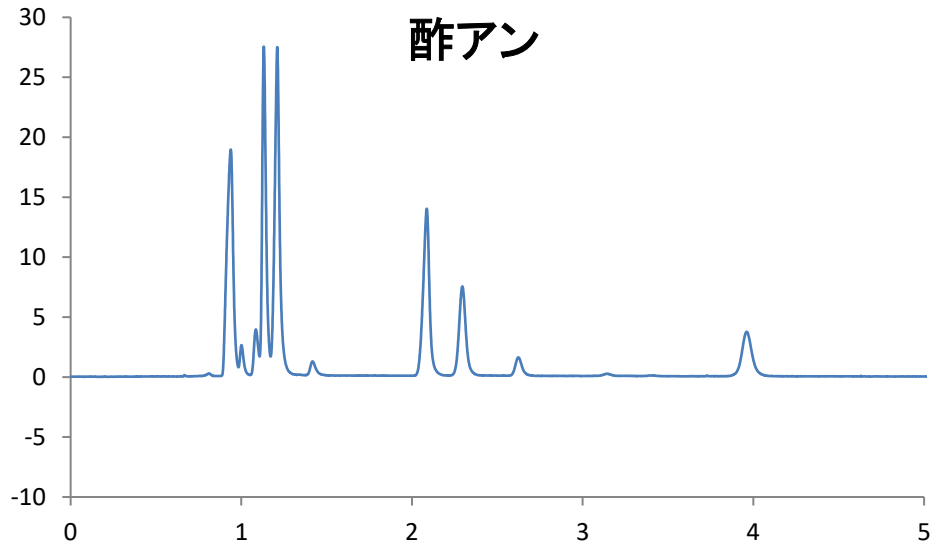


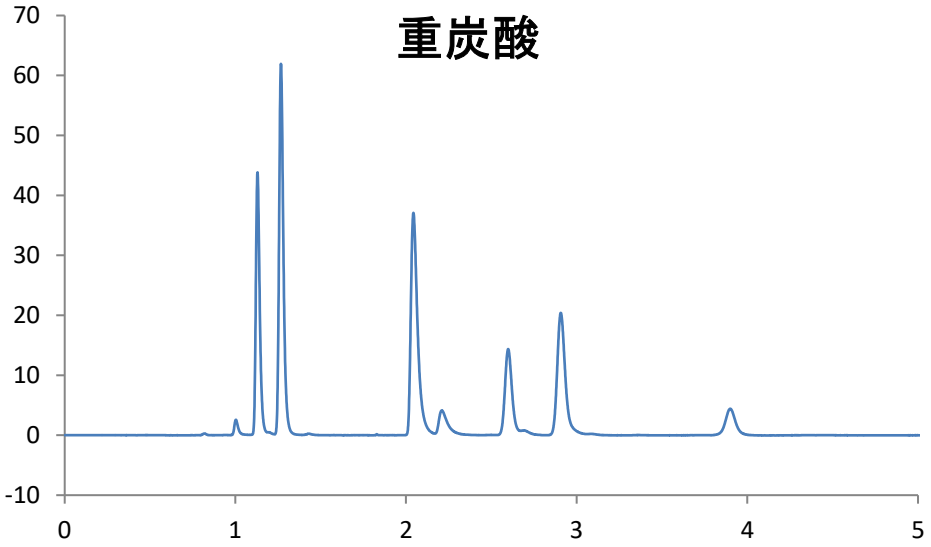
5. Tetracaine



Column: ArmorShell C18 2.6 µm, 100 x 2.1 mm i.d.
Mobile phase: Methanol:20 mM Phosphate buffer (pH 7.0) = 70:30
Methanol:20 mM Ammonium acetate buffer (pH 6.8) = 70:30
Methanol:20 mM Ammonium bicarbonate buffer (pH 10.0) = 70:30
Flow rate: 0.2 mL/min
Pressure: 14.1 MPa
Temperature: 40 °C
Detection: UV@250 nm
Injection volume: 1 µL
Sample: 1 = Benzocaine,
2 = Procaine,
3 = Cinchonine,
4 = Lidocaine,
5 = Tetracaine


リン酸
70
60
50
40
30
20
10
0
-10
0
1
2
3
4
5


酢アン
30
25
20
15
10
5
0
-5
-10
0
1
2
3
4
5


重炭酸
70
60
50
40
30
20
10
0
-10
0
1
2
3
4
5