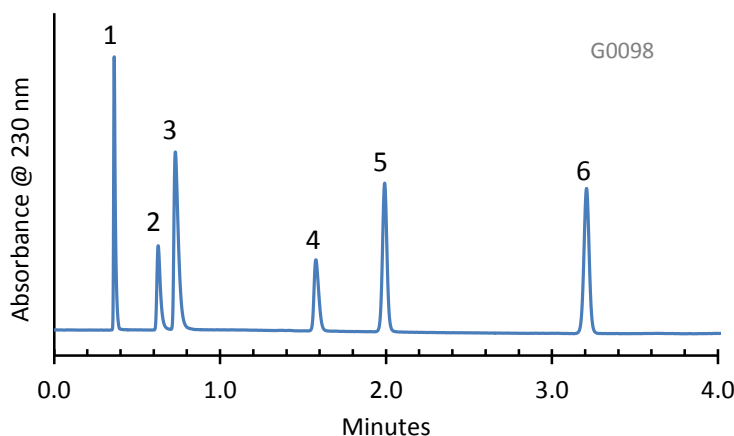


Separation of Antihistamines on HALO-5 C18



PEAK IDENTITIES:

1. Maleic acid
2. Pyrilamine
3. Chlorpheniramine
4. Cetirizine
5. Fexofenadine
6. Loratadine

TEST CONDITIONS:

Column: 3.0 x 100 mm, HALO-5 C18

Part Number: 95813-602

Mobile Phase: A/B: 50/50 to start.

A = 0.02 M Phosphate buffer, pH=2.6

B = Methanol

Gradient

Time	%B
0.0	50
0.5	50
2.5	75
4.0	75

Flow Rate: 1.0 mL/min.

Pressure: 191 Bar

Temperature: 40°C

Detection: UV 230 nm, VWD

Injection Volume: 1.0 µL

Sample Solvent: 80% Methanol in water

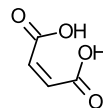
Response Time: 0.02 sec.

Flow Cell: 2.5 µL semi-micro

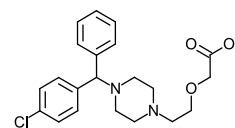
LC System: Shimadzu Prominence UFLC XR

ECV: ~14 µL

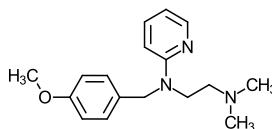
STRUCTURES:



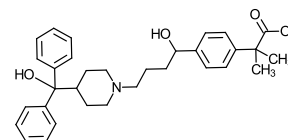
Maleic acid



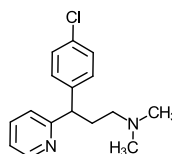
Cetirizine



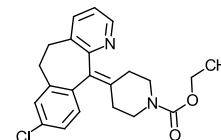
Pyrilamine



Fexofenadine



Chlorpheniramine



Loratadine

These six antihistamines can be rapidly separated on a HALO-5 Fused-Core C18 column in under 4 minutes.