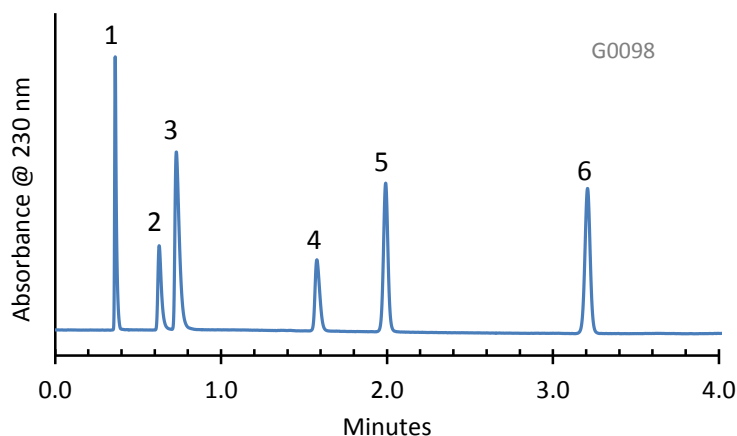


Separation of Antihistamines on HALO-5 C18



PEAK IDENTITIES:

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

TEST CONDITIONS:

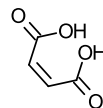
Column: 3.0 x 100 mm, HALO-5 C18
 Part Number: 95813-602
 Mobile Phase: A/B: 50/50 to start.
 A = 0.02 M Phosphate buffer, pH=2.6
 B = Methanol
 Gradient

Time	%B
0.0	50
0.5	50
2.5	75
4.0	75

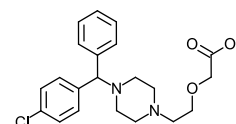
Flow Rate: 1.0 mL/min.
 Pressure: 191 Bar
 Temperature: 40°C
 Detection: UV 230 nm, VWD
 Injection Volume: 1.0 µL
 Sample Solvent: 80% Methanol in water
 Response Time: 0.02 sec.
 Flow Cell: 2.5 µL semi-micro
 LC System: Shimadzu Prominence UFLC XR
 ECV: ~14 µL

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

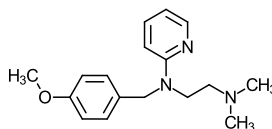
STRUCTURES:



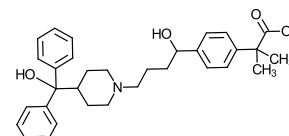
Maleic acid



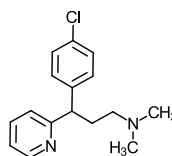
Cetirizine



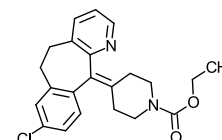
Pyrilamine



Fexofenadine



Chlorpheniramine



Loratadine