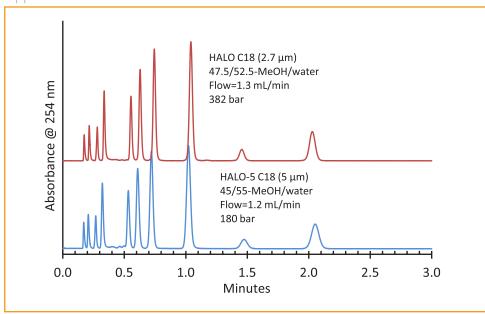
HALO

PHARMACEUTICALS



Comparable Selectivity of HALO® C18, 2.7 µm and HALO® C18, 5 µm

Application Note 77-HA



PEAK IDENTITIES:

- 1. Uracil
- 2. Resorcinol
- 3. Aniline
- 4. 4-Chloroaniline
- 5. Acetoacetanilide
- 6. Dimethylphthalate
- 7. Cinnamyl alcohol
- 8. 2,6-Dinitrotoluene
- 9. Tolbutamide
- 10. 4-Chloro-3-nitroanisole

This mixture of compounds with varying functional groups and polarity show the same selectivity on both the 5 µm and 2.7 µm HALO® C18 columns with only minor adjustments in flow rate and mobile phase composition being required. This separation demonstrates the ability to change from one HALO® particle size to the other without needing to redevelop the method.

TEST CONDITIONS:

Columns:

1) HALO 90 Å C18, 2.7 μm, 3.0 x 50 mm

Part Number: 92813-402

2) HALO 90 Å C18, 5.0 µm, 3.0 x 50 mm

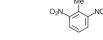
Part Number: 95813-402 Mobile Phase: See chart Flow Rate: See chart Pressure: See chart Temperature: 30 °C

Detection: UV 254 nm, VWD Injection Volume: 1.0 µL Sample Solvent: Methanol Response Time: 0.02 sec Flow Cell: 2.5 µL semi-micro

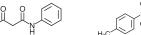
LC System: Shimadzu Prominence UFLC XR

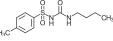
Extra Column Volume: ~14 µL

STRUCTURES:



4-Chloroaniline





Tolbutamide

Resorcinol Acetoacetanilide

Dimethylphthalate

4-Chloro-

3-nitroanisole

Cinnamyl alcohol



Aniline