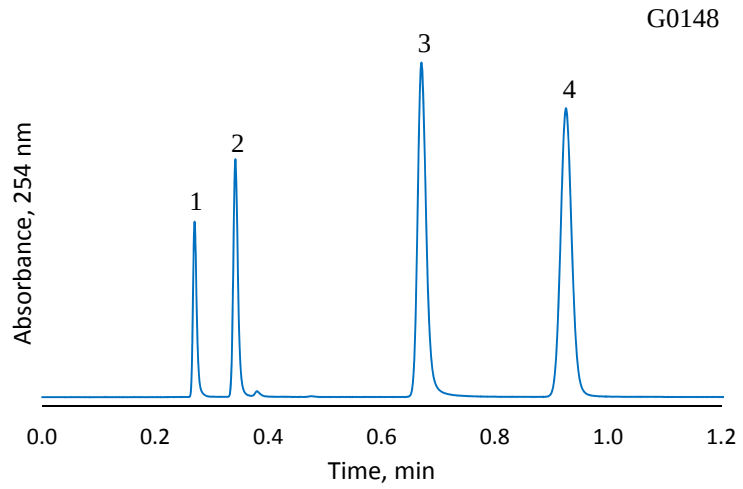
Application Note: 158-NU

HALO AQ-C18 Separation of Nucleobases



PEAK IDENTITIES:

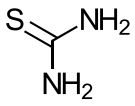
1. Thiourea
2. 5-Fluorocytosine
3. Adenine
4. Thymine

TEST CONDITIONS:

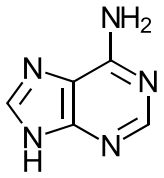
Column: HALO 90Å, AQ-C18, 2.7 µm, 4.6 x 50mm
Part Number: 92814-422
Isocratic: Water, 0.1% TFA
Flow Rate: 2.0 mL/min
Pressure: 290 bar
Temperature: 30°C
Detection: UV 254 nm, PDA
Injection Volume: 0.5 µL
Sample Solvent: Water, 0.1% TFA
LC System: Shimadzu Nexera X2
Flow Cell: 1 µL
Acquisition Rate: 100 Hz
Response Time: 0.05 sec

This separation of nucleobases on a HALO AQ-C18 column shows excellent peak shape and efficiency using 100% aqueous mobile phase conditions.

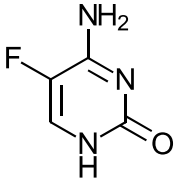
STRUCTURES:



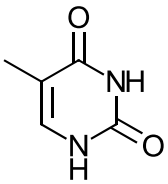
Thiourea



Adenine



5-Fluorocytosine



Thymine

FOR MORE INFORMATION OR TO PLACE AN ORDER, CONTACT: