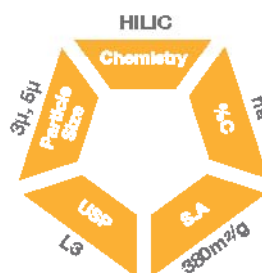




## Fortis HILIC™

- Retention of Polars
- Increased MS sensitivity
- Alternate selectivity
- Reduced extraction (SPE) and dry down times.

Fortis HILIC (Hydrophilic Interaction Chromatography) is designed to aid in the separation and retention of very polar analytes. Extended retention is afforded by the partitioning, ion-exchange and hydrogen bonding that can occur on a HILIC stationary phase. Fortis HILIC can increase sensitivity in MS analysis and provide alternate selectivity to that achieved with reversed phase C18.



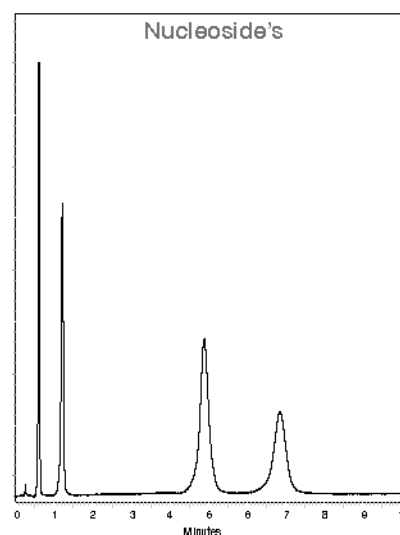
### Nucleosides

Fortis HILIC is optimised to help retain and resolve polar analytes. By use of high concentrations of organic solvent polar analytes partition with the stationary phase.

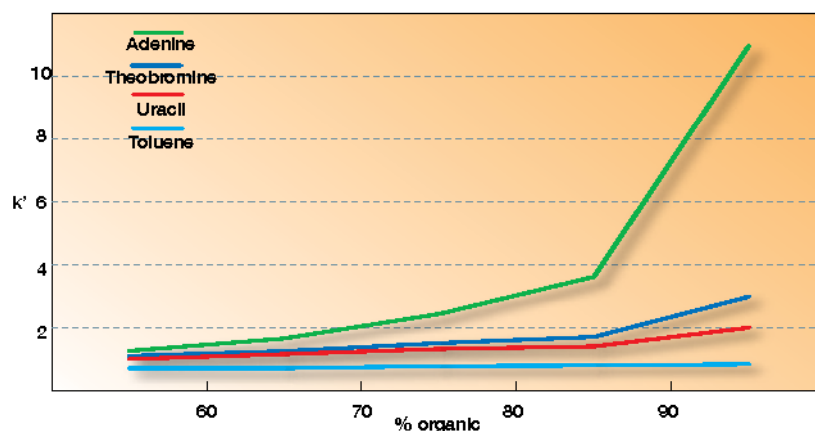
- Polar Retention
- Alternative Selectivity
- Rapid Equilibration

**Column :** Fortis HILIC 50x4.6mm 5µ  
**p/n :** FHI-050305  
**Mobile Phase:** 95:5 ACN : 100mM NH<sub>4</sub>OAc  
**Flow :** 1ml/min  
**Temp :** 20°C  
**Wavelength:** 254nm

1. Uracil
2. Uridine
3. Cytosine
4. Guanosine



Hydrophilic Interaction Chromatography (HILIC) works in a similar way to normal phase chromatography. A polar surface combined with a non-polar mobile phase, typically ACN, allows for partition of the polar analytes and hence retention and separation. Water is used in low concentration as the strong solvent in order to elute the compounds.



Fortis HILIC	Column Length			
	50	100	150	250
	FHI-0203xx	FHI-0205xx	FHI-0207xx	-
Column Diameter	3.0	FHI-0303xx	FHI-0305xx	FHI-0307xx
	4.6	FHI-0503xx	FHI-0505xx	FHI-0507xx
				FHI-0509xx

Fortis HILIC Guards	Length
	10
Column Diameter	2.1
	FHI-0200xxG
	4.6
	FHI-0500xxG

Replace xx - 03 for 3µm - 05 for 5µm - 10 for 10µm