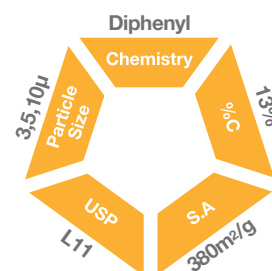


Fortis Phenyl

- Unique Selectivity
- Separate Positional Isomers
- Aromatic Retention and Selectivity
- Enhanced Polar Retention

Fortis Phenyl is designed to provide characteristics which will enhance selectivity. Providing the analyst extra retention of compounds containing aromatic functionality. Extra selectivity and retention can be found for polar substrates, along with metabolite profiling.



Enhanced Selectivity

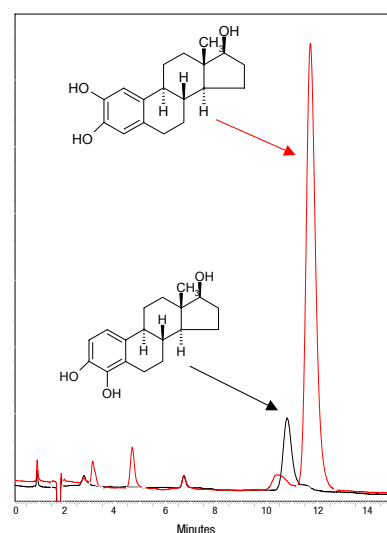
Selectivity of compounds normally difficult to resolve on a hydrophobic alkyl chain stationary phase is simplified by the π - π interactions provided by a phenyl functionality.

In this application two hydroxyestradiol steroids exhibit resolution from each other, which is not achievable on alkyl chain phases. No complex mobile phases are necessary.

- High Selectivity
- Resolution enhanced
- Sharp Peak Shapes

Column: Fortis Phenyl 150x4.6mm 5 μ
p/n: FPH-050705
Mobile Phase: 40:60 H₂O : MeOH
Flow: 1ml/min
Temp: 20°C
Wavelength: 210nm

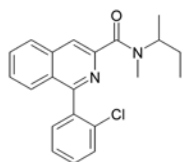
1. 4-Hydroxyestradiol (mw=288.38)
2. 2-Hydroxyestradiol (mw=288.38)



PET Tracer - PK11195

Column: Fortis Phenyl 150x4.6mm 5 μ
p/n: FPH-050705
Mobile Phase: 40 : 60 H₂O : ACN
Flow: 1ml/min
Temp: 25°C
Wavelength: MS Detection

1. Dechlorinated PK11195
2. PK11195

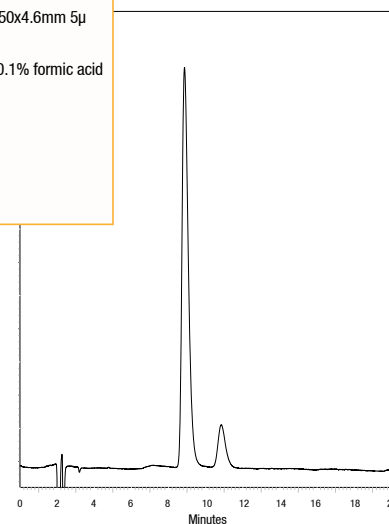
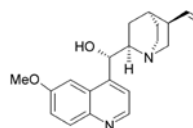


Data Courtesy of : Wolfson Molecular Imaging Centre

Quinidine

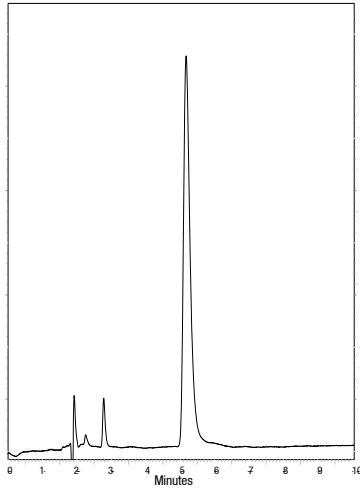
Column: Fortis Phenyl 150x4.6mm 5 μ
p/n: FPH-050705
Mobile Phase: 70 : 30 H₂O + 0.1% formic acid MeOH
Flow: 1ml/min
Temp: 25°C
Wavelength: 235nm

1. Quinidine
2. Dihydroquinidine

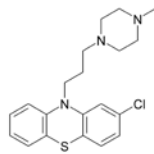


Applications

Stemetil

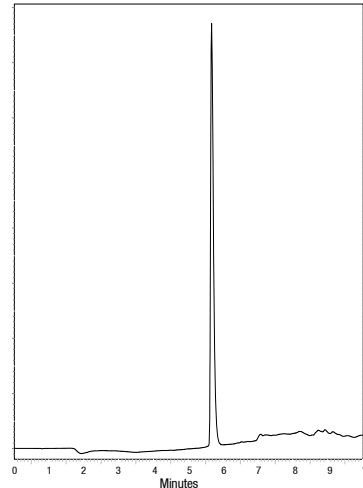


1. Prochlorperazine Maleate

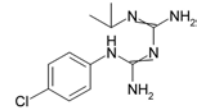


Column: Fortis Phenyl 150x4.6mm 5µ
p/n: FPH-050705
Mobile Phase: 35:65 H₂O + 0.1% Formic acid
 : MeOH
Flow: 1ml/min
Temp: 25°C
Wavelength: 254nm

Paludrine

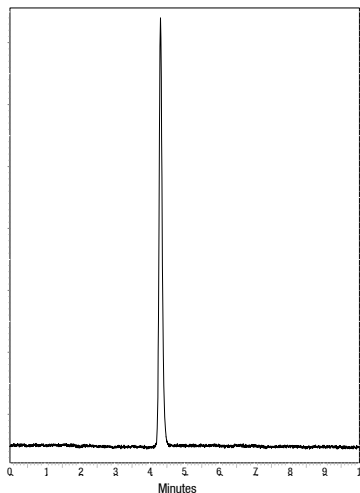


1. Proguanil

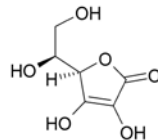


Column: Fortis Phenyl 50x4.6mm 5µ
p/n: FPH-050305
Mobile Phase: A: H₂O + 0.1% formic acid
 B: MeOH + 0.1% formic acid
Gradient: 10 - 90% in 10mins
Flow: 1ml/min
Temp: 25°C
Wavelength: 254nm

Vitamin C

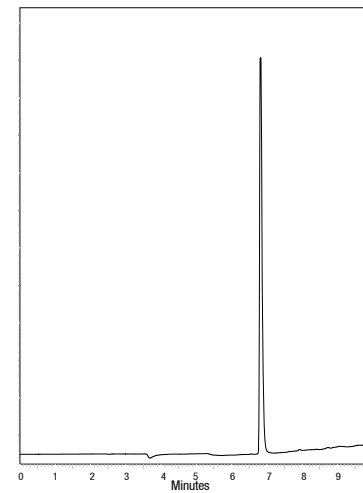


1. Vitamin C

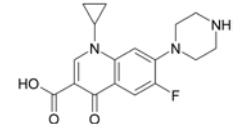


Column: Fortis Phenyl 150x4.6mm 5µ
p/n: FPH-050705
Mobile Phase: 100% H₂O + 0.1% Formic acid
Flow: 0.8ml/min
Temp: 25°C
Wavelength: 254nm

Ciprofloxacin



1. Ciprofloxacin



Column: Fortis Phenyl 150x4.6mm 5µ
p/n: FPH-050705
Mobile Phase: A: H₂O + 0.1% formic acid
 B: MeOH + 0.1% formic acid
Gradient: 10 - 90% in 10mins
Flow: 1ml/min
Temp: 25°C
Wavelength: 254nm

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

Replace xx - 03 for 3µm - 05 for 5µm

Fortis Phenyl Guards	Length	
		10
Column Diameter	2.1	FPH-0200xxG
	4.6	FPH-0500xxG