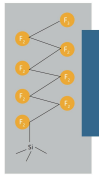
MORHCHEM TECHNOLOGIES

# CaprisilPFP/FO Fluoro-substitution chromatography column

Applicable to the analysis of structural isomers and halide

PFP has not only hydrophobic force, but also π-π force and dipole-dipole force. The stronger the dipole moment is, the stronger the retention ability is. It also has a strong ability to separate some structural isomers.

PFP has a good stability and can be used for the separation of some natural products, halogenated compounds, aromatic compounds, conjugated compounds, etc.

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The 17 hydrogen atoms in C8 bonded phase are replaced by fluorine atoms to obtain FO column. Different from the selectivity of C8 alkyl stationary phase, it has a strong selectivity for halogen-containing compounds and a unique selectivity for polar compounds without halogen.

## Ezetimibe

Column：Caprisil PFP 5um 60A 150 mm x 4 .6mm

Flow speed：2.0ml/min

Injection volume：10uL

Mobile phase：water (A), acetonitrile (B), methanol (C)

0min-27min A 63-62% B 27%-27% C 10%-10%

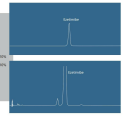
27min-28min A 62%-40% B 27%-30% C 10%-10%

Detector：Ultimate UV-8270 Uv

λ: 230nm (0-22.00min)

λ: 238nm (22-32.00min)

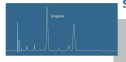
Test object：Ezetimibe







## Sinapine



column：Caprisil PFP 5um 60A 250 mm x 4 .6mm

Flow rate：1mL/min

Sample volume：5uL

Mobile phase：methanol-1%-glacial acetic acid solution (70:30) was mobile phase

Detector：UV@320nm

Test substance：sinapine

## Order Information

| 5μm | 4.6×15mm | 4.6×30mm | 4.6×50mm | 4.6×75mm | 4.6×150mm |
|---|---|---|---|---|---|
| Caprisil PFP | CZ15-05 | CA15-PFP | CA15-05 | CB15-PFP | CA15-PFP | CC15-PFP |
| CaprisilFluorOxygen-RP Guard | CE15-05 | CA15-FO | CD15-FO | CB15-FO | CA15-FO | CC15-FO |
| 5μm | 4.6×75mm | 4.6×150mm | 4.6×250mm | 4.6×250mm | 4.6×250mm |
| Caprisil PFP | CZ15-PFP | CA15-PFP | CC15-PFP | CD15-PFP | CA15-PFP | CC15-PFP |
| CaprisilFluorOxygen-RP Guard | CZ15-FO | CA15-FO | CD15-FO | CB15-FO | CA15-FO | CC15-FO |
| 5μm | 4.6×150mm | 4.6×250mm | 4.6×250mm | 10×4.6mm | 10×4.6mm | 10×10mm | 10×10mm |
| Caprisil PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP |
| CaprisilFluorOxygen-RP Guard | CA15-FO | CA15-FO | CA15-FO | CA15-FO | CA15-FO | CA15-FO | CA15-FO |
| 5μm | 4.6×150mm | 4.6×250mm | 10×4.6mm | 10×4.6mm | 10×4.6mm | 10×10mm | 10×10mm |
| Caprisil PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP |
| CaprisilFluorOxygen-RP Guard | CA15-FO | CA15-FO | CA15-FO | CA15-FO | CA15-FO | CA15-FO | CA15-FO |
| 5μm | 4.6×150mm | 10×10mm | 10×10mm | 10×10mm | 10×10mm | 10×10mm |
| Caprisil PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP |
| CaprisilFluorOxygen-RP Guard | CA15-FO | CA15-FO | CA15-FO | CA15-FO | CA15-FO | CA15-FO |
| 5μm | 10×10mm | 10×10mm | 10×10mm | 10×10mm | 10×10mm | 10×10mm |
| Caprisil PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP |
| CaprisilFluorOxygen-RP Guard | CA15-FO | CA15-FO | CA15-FO | CA15-FO | CA15-FO | CA15-FO |
| 5μm | 10×10mm | 10×10mm | 10×10mm | 10×10mm | 10×10mm | 10×10mm | 10×10mm |
| Caprisil PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP |
| CaprisilFluorOxygen-RP Guard | CA15-FO | CA15-FO | CA15-FO | CA15-FO | CA15-FO | CA15-FO | CA15-FO |
| 5μm | 10×10mm | 10×10mm | 10×10mm | 10×10mm | 10×10mm | 10×10mm | 10×10mm |
| Caprisil PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP | CA15-PFP |
| CaprisilFluorOxygen-RP Guard | CA15-FO | CA15-FO | CA15-FO | CA15-FO | CA15-FO | CA15-FO | CA15-FO |