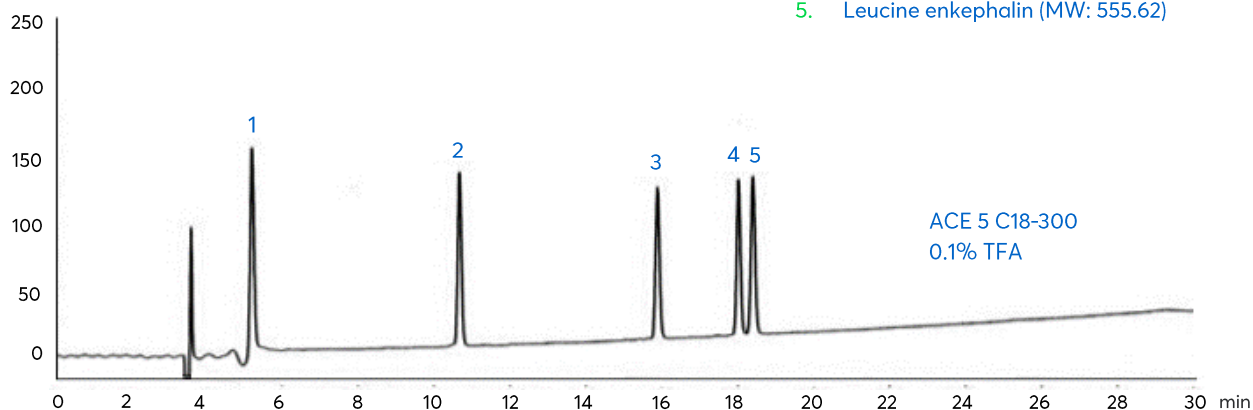
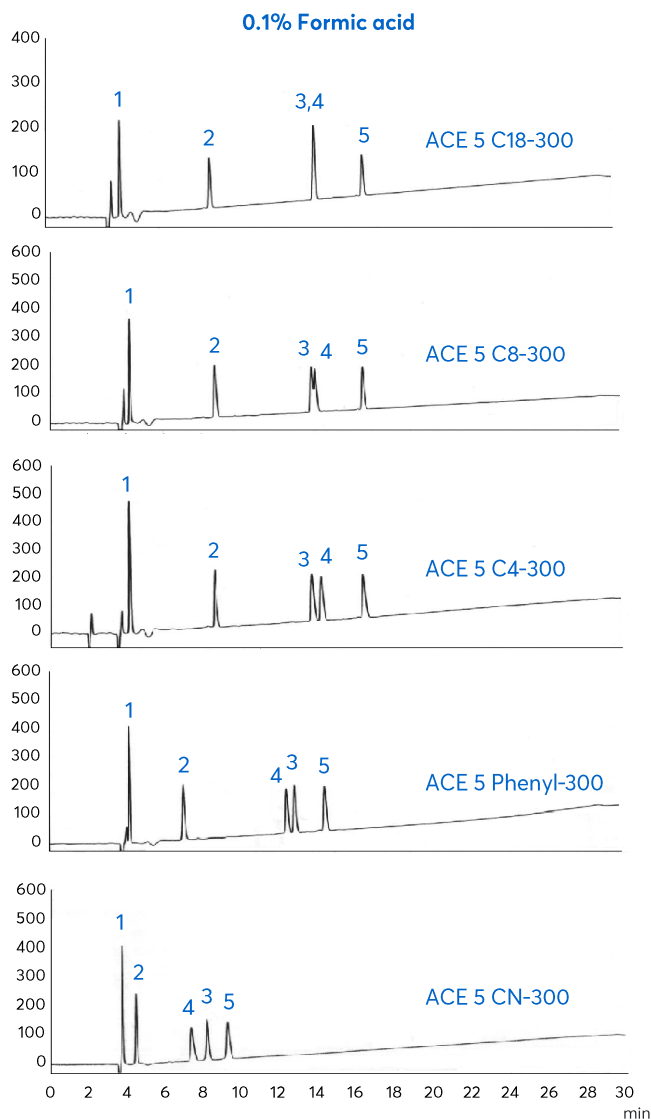
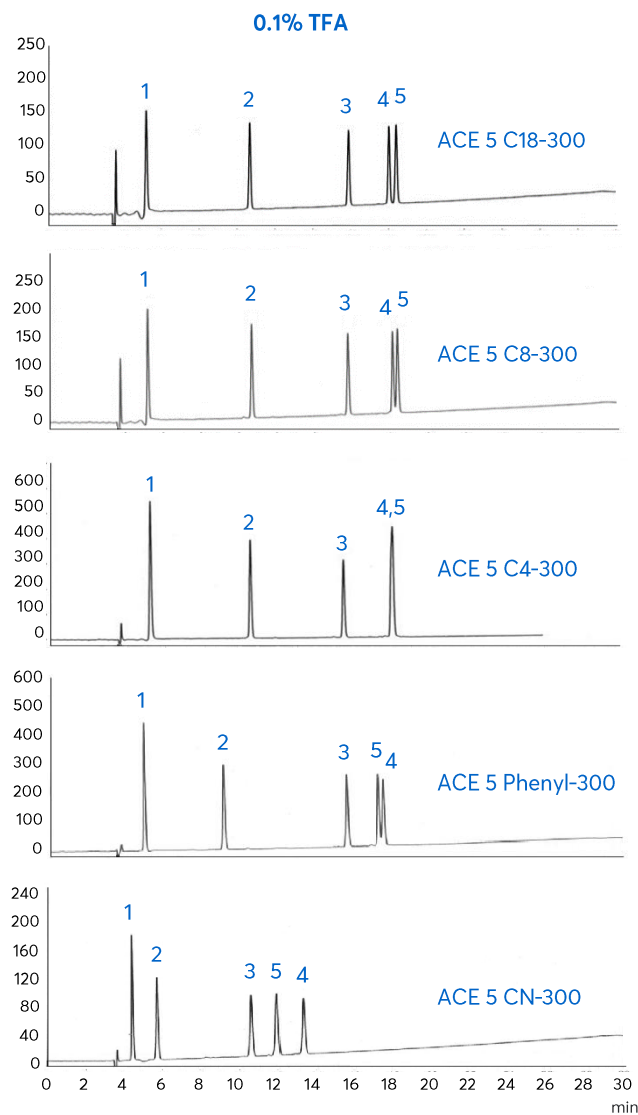


## Application note #3430

# Peptides – Selectivity Changes with Bonded Phase and Mobile Phase

1. Gly-Tyr (MW: 238.34)
2. Val-Tyr-Val (MW: 379.45)
3. Methionine enkephalin (MW: 573.67)
4. Angiotensin II (MW: 1046.18)
5. Leucine enkephalin (MW: 555.62)





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# Method Details

## CONDITIONS

Column: Avantor® ACE® 5 C18-300, C8-300, C4-300, Phenyl-300, CN-300

Particle Size: 5 µm

Dimensions: 250 x 4.6 mm

Mobile Phase: A: 0.1% TFA or 0.1% formic acid in H<sub>2</sub>O

B: MeCN

Gradient:

| Time (mins) | % B |
|-------------|-----|
| 0           | 10  |
| 25          | 40  |

Flow Rate: 1 mL/min

Temperature: Ambient

Detection: UV, 220 nm

## ORDERING TABLE

| Product                    | Details                              | Size         | Part Number  |
|----------------------------|--------------------------------------|--------------|--------------|
| Avantor® ACE® 5 C18-300    | HPLC Column                          | 250 x 4.6 mm | ACE-221-2546 |
| Avantor® ACE® 5 C8-300     | HPLC Column                          | 250 x 4.6 mm | ACE-222-2546 |
| Avantor® ACE® 5 C4-300     | HPLC Column                          | 250 x 4.6 mm | ACE-223-2546 |
| Avantor® ACE® 5 Phenyl-300 | HPLC Column                          | 250 x 4.6 mm | ACE-225-2546 |
| Avantor® ACE® 5 CN-300     | HPLC Column                          | 250 x 4.6 mm | ACE-224-2546 |
| Acetonitrile               | VWR CHROMANORM® super gradient grade | 2.5 L        | 83639.320    |
| Water                      | VWR CHROMANORM® super gradient grade | 2.5 L        | 83650.320    |
| Formic acid                | VWR NORMAPUR® analytical reagent     | 100 mL       | 20318.180    |