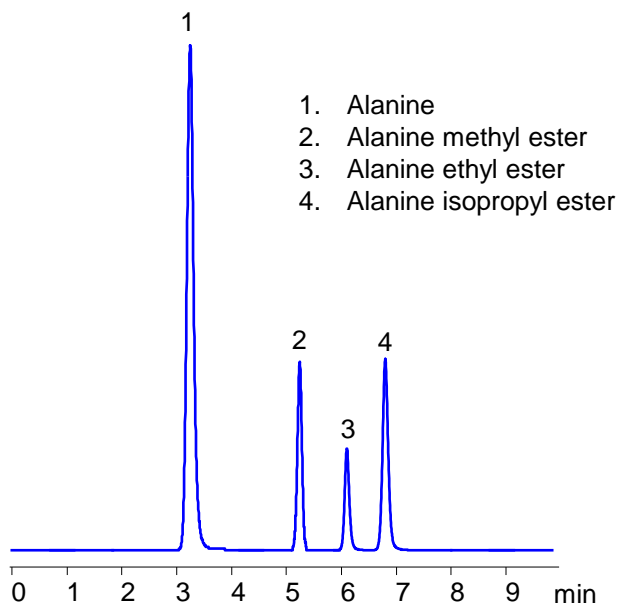


## Why in HPLC Selectivity beats Efficiency Every Time?



**Column:** Amaze SC  
**Dimensions:** 4.6x50 mm, 3  $\mu$ m, 100A  
**Mobile phase:** ACN/water/phosphoric acid  
**Flow rate:** 1 ml/min  
**Detection:** 200 nm  
**Injection:** 3  $\mu$ L

## Application Notes

The selectivity of separation greatly depends on the type of column you are using and properties of your compound. While most of the companies are exploring the same chemistry, but on smaller particles, HELIX Chromatography embraces selectivity of the separation. When you move from 5  $\mu$ m particles to 3 and sub-2 micron, you are gaining some selectivity, but nothing compares to when you are exploring mixed-mode chromatography. In mixed-mode chromatography you are exploring small differences in hydrophobic and ionic properties of analytes to achieve a much better resolution. Sometimes even a short column will provide you with a good separation due to synergy of multiple interactions. Here is one of the applications proving this concept - separation of alanine and corresponding esters on the Amaze SC column. Add full compatibility with LC/MS and you have a perfect tool for your lab. See more at [www.helixchrom.com](http://www.helixchrom.com)