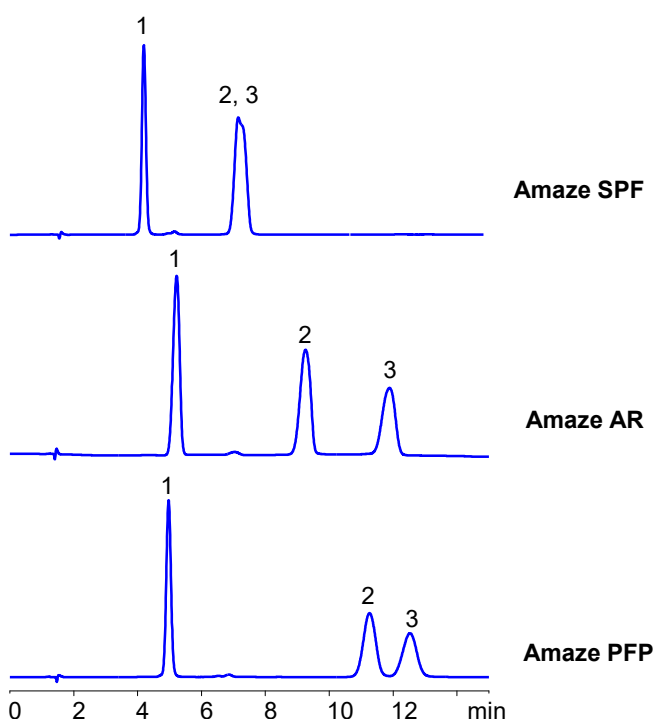
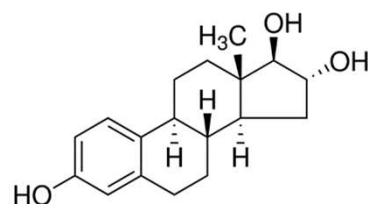


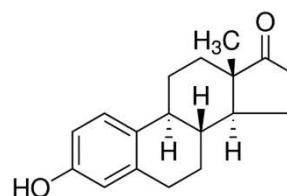
Selectivity Comparison of Three Amaze Aromatic Stationary Phases in Retention and Separation of Three Steroids



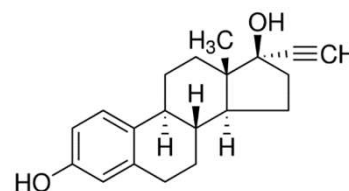
Column: Amaze SPF, AR and PFP
Dimensions: 4.6x100 mm
Mobile phase: 50% MeOH with 0.1% H₂SO₄
Flow rate: 1 ml/min
Detection: 255 nm



1. Estriol



2. Estrone



3. Ethinylestradiol

Application Notes

A lot of reversed-phase columns have very similar properties. Sometimes changing columns and conditions of the experiment does not result in separation even if you tried different RP columns. Aromatic stationary phases, like Amaze SPF, Amaze AR, and Amaze PFP are adding pi-pi and dipole-dipole interactions in addition to the reversed-phase properties of these columns. The specially designed ligands with polar embedded groups and fluorinated aromatic rings can be a valuable addition to your column portfolio. These columns are providing a unique selectivity for the separation of positional and structural isomers of aromatic compounds. It can also be used for non-aromatic compound separations. Exploring pi-pi interactions allows to achieve a unique and robust separation of three steroids. Columns are fully compatible with 100% water and 100% MeOH or ACN. Choice of the buffer depends on your detection technique (UV, MS, ELSD, or CAD).