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HPLC in reverse or separation with ZIC-Hilic

We wish you a successful 2007 and that you will come a big step closer to the fulfillment of your aims and wishes.

Today, we want to show you how by means of HPLC the elution of substances can be reversed. The HPLC phases from Sequant retard substances strictly according to their polarity virtually independent from their mass. This means that separation problems can be solved which so far have been beyond the possibilities of classical Reversed Phase (RP) Chromatography. (the counterpart in GC would be the BPX90 from SGE)

Since water is the strongest elution substance, separation starts classically with a large quantity of acetonitrile, the ZIC-Hilic is made to optimize applications that are difficult for RP-AQ columns. The difference can be seen in the fact that not Uracile is used to measure the hold-up time but Toluol.

It'd be our pleasure to visit you in your laboratory to discuss with you the advantages of the Sequant column and whether your separation problems can be solved with it. Send us an email or call us to fix an appointment with the Sequant application specialist Harald Dibovski.

Even if we can't promise an UHU-Slogan like "problems with you application, Sequant is the solution for this occasion" we will discuss the possibilities, advantages and disadvantages with you as you are used to it from us.

ZIC®-HILIC

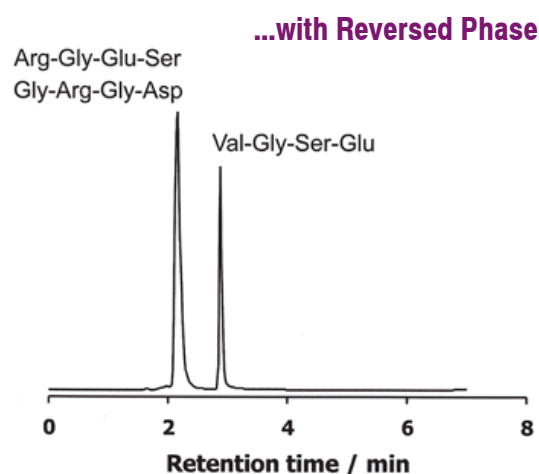
The advantages of ZIC®-HILIC columns:

- ☛ truly orthogonal to RP separation
- ☛ only molecules with a polar functional group are retarded
- ☛ mild buffer conditions
- ☛ ideal for LC/MS, ELSD, Corona etc.
- ☛ allows linear Upscaling and Downscaling
- ☛ high sensitivity for LC/MS compared to RP-AQ Phases
- ☛ for the separation of:

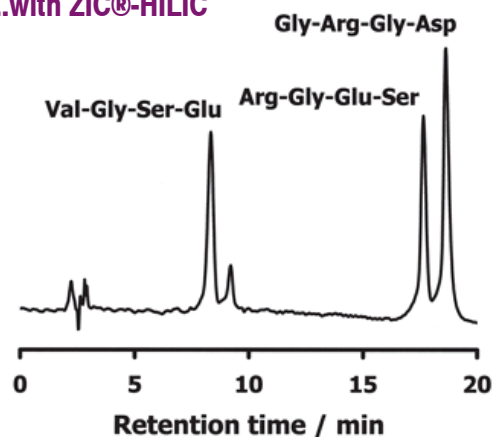
z.B. aminoacid, peptide, nucleotide, amine, phenol, acids, carbohydrates, glucuronide and glycuronide compounds, phosphorylated compounds, saphonine

all molecules that elute close to the hold-up time of an RP Phase or that use ion-interaction reagents

reversed elution order to Reversed Phase



...with ZIC®-HILIC



Analytical Column, PEEK, with 2.1 mm ID

Particle-size	Pore-size	Length	Pack size	Product No.	CHF/Pack
3.5 μm	200 Å	50 mm	1 pcs	8SQ2702-052	1440.00
3.5 μm	200 Å	100 mm	1 pcs	8SC2702-102	1600.00
3.5 μm	200 Å	150 mm	1 pcs	8SQ2702-152	1800.00

Analytical Column, PEEK, with 4.6 mm ID

Particle-size	Pore-size	Length	Pack size	Product No.	CHF/Pack
5 μm	200 Å	100 mm	1 pcs	8SQ2712-105	1480.00
5 μm	200 Å	150 mm	1 pcs	8SQ2712-155	1640.00
5 μm	200 Å	250 mm	1 pcs	8SQ2712-255	1940.00

all prices net;
quantity breaks available; excl. VAT;
excl. CHF 12.00 postage and packaging