We proudly introduce two new chiral columns to our expanding line of unique chiral chromatography products.

The CHIRALPAK QD-AX and CHIRALPAK QN-AX are designed specifically for the enantioselective resolution of chiral acids by HPLC and SFC.

Invented and developed by Professor Wolfgang Lindner of the University of Vienna

Chiral selectors are based on complementary quinine (QN) and quinidine (QD) derivatives

Exhibits excellent separation capabilities for chiral acids in reversed-phase and with polar organic solvents

Offers complementary performance to our well established CHIRALPAK® and CHIRALCEL® polysaccharide columns
### Boc-Tryptophan
CHIRALPAK® QN-AX 4.6 x 150 mm
98:2:0.5 MeOH/HOAc/NH₄OAc

1 ml/min 25°C

- $k'_1 = 2.22$
- $k'_2 = 3.23$
- $\alpha = 1.45$

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### N-Benzoyl-Phenylalanine
CHIRALPAK® QD-AX 4.6 x 150 mm
98:2:0.5 MeOH/HOAc/NH₄OAc

1 ml/min 25°C

- $k'_1 = 2.25$
- $k'_2 = 5.49$
- $\alpha = 2.454$

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### 1,1'-Binaphthyl-2,2'-diyl hydrogenphosphate
CHIRALPAK® QN-AX 4.6 x 150 mm
98:2:0.5 MeOH/HOAc/NH₄OAc

1 ml/min 25°C

- $k'_1 = 6.46$
- $k'_2 = 9.41$
- $\alpha = 1.46$

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### Dichlorprop
CHIRALPAK® QD-AX 4.6 x 150 mm
98:2:0.5 MeOH/HOAc/NH₄OAc

1 ml/min 25°C

- $k'_1 = 2.33$
- $k'_2 = 3.33$
- $\alpha = 1.43$

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### N-CBZ-Valine
CHIRALPAK® QD-AX 4.6 x 150 mm
60:40 Acetonitrile/pH=6 Aq Phosphate 20 mM

1 ml/min 25°C

- $k'_1 = 2.92$
- $k'_2 = 4.09$
- $\alpha = 1.40$

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### 1-Phenyl-1-propanol
CHIRALPAK® QN-AX 4.6 x 150 mm
60:40 Methanol/pH=5.2 Aq Acetate 50 mM

1 ml/min 25°C

- $k'_1 = 1.29$
- $k'_2 = 1.71$
- $\alpha = 1.33$

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### PART PRODUCT INTERNAL COLUMN PARTICLE PRODUCT

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