

# CHIRAL TECHNOLOGIES

**New!**

**CHIRALPAK® QD-AX**  
**CHIRALPAK® QN-AX**

*Laboratory Products*

*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.*

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

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

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

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Offers complementary performance to our well established  
CHIRALPAK® and CHIRALCEL® polysaccharide columns

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**CHIRAL**  
TECHNOLOGIES INC

CHIRAL TECHNOLOGIES INC., West Chester, PA USA

1-800-6CHIRAL TEL 610-594-2325 FAX

[www.chiraltech.com](http://www.chiraltech.com)

THE SPECIALIST YOU RELY ON FOR CHIRAL COLUMNS AND SERVICES

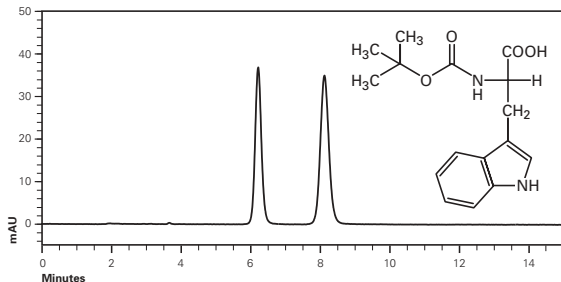


**Boc-Tryptophan**

CHIRALPAK® QN-AX 4.6 x 150 mm  
98:2:0.5 MeOH/HOAc/NH<sub>4</sub>OAc

1 ml/min  
25°C

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

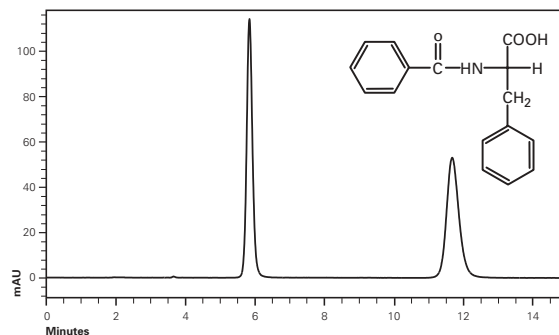


**N-Benzoyl-Phenylalanine**

CHIRALPAK® QD-AX 4.6 x 150 mm  
98:2:0.5 MeOH/HOAc/NH<sub>4</sub>OAc

1 ml/min  
25°C

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

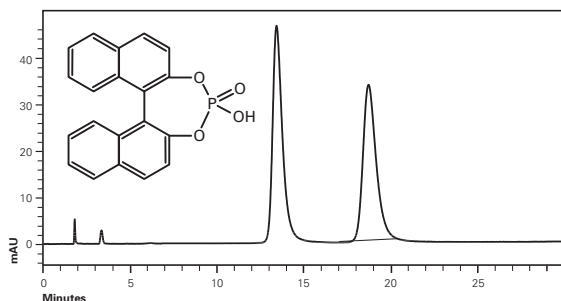


**1,1'-Binaphthyl-2,2'-diyl hydrogenphosphate**

CHIRALPAK® QN-AX 4.6 x 150 mm  
98:2:0.5 MeOH/HOAc/NH<sub>4</sub>OAc

1 ml/min  
25°C

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

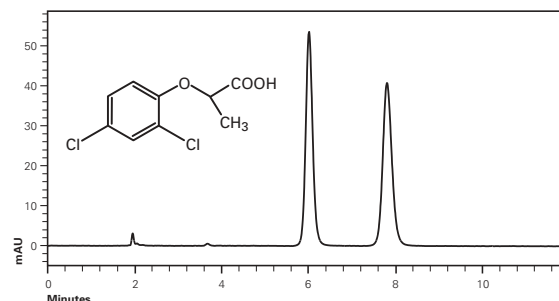


**Dichlorprop**

CHIRALPAK® QD-AX 4.6 x 150 mm  
98:2:0.5 MeOH/HOAc/NH<sub>4</sub>OAc

1 ml/min  
25°C

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

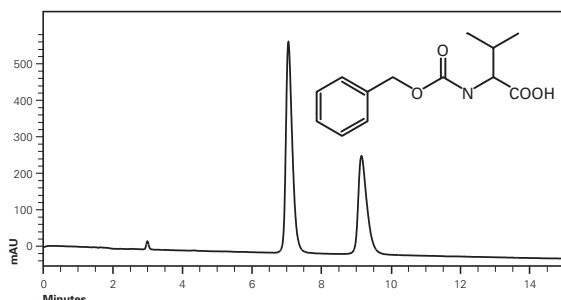


**N-CBZ-Valine**

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

1 ml/min  
25°C

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

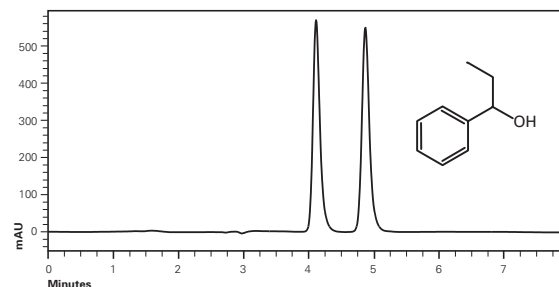


**1-Phenyl-1-propanol**

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

1 ml/min  
25°C

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



PART NUMBER	PRODUCT NAME	INTERNAL DIAMETER (mm)	COLUMN LENGTH (mm)	PARTICLE SIZE (μ)	PRODUCT TYPE
31311	CHIRALPAK QD-AX	4.0	10	5	Guard Cartridges
31394	CHIRALPAK QD-AX	2.1	150	5	Analytical
31324	CHIRALPAK QD-AX	4.6	150	5	Analytical
31344	CHIRALPAK QD-AX	20	150	5	Semi-Prep
32311	CHIRALPAK QN-AX	4.0	10	5	Guard Cartridges
32394	CHIRALPAK QN-AX	2.1	150	5	Analytical
32324	CHIRALPAK QN-AX	4.6	150	5	Analytical
32344	CHIRALPAK QN-AX	20	150	5	Semi-Prep



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