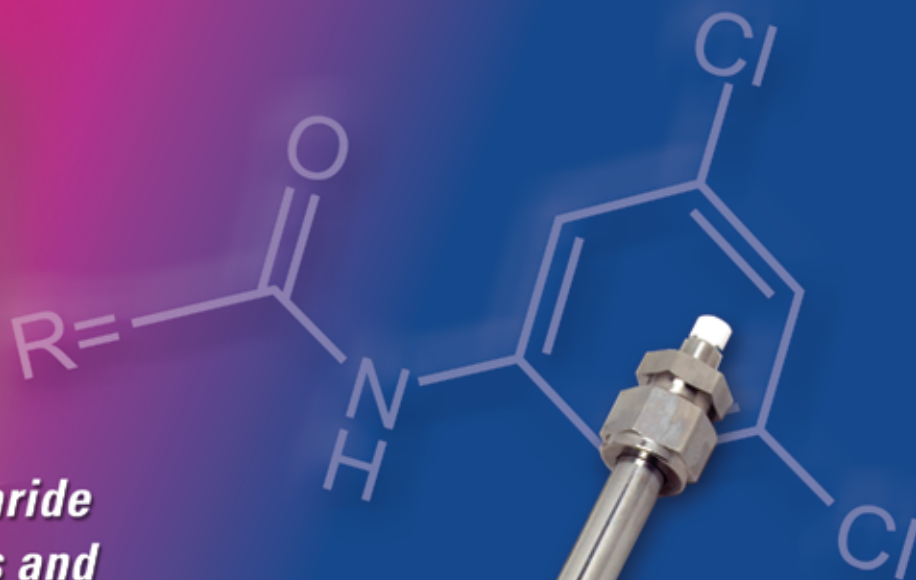




**CHIRAL**  
TECHNOLOGIES INC  
DAICEL GROUP

**CHIRALPAK® IE™**

*Immobilized Polysaccharide  
chiral stationary phases and  
columns — The  $R^2$  Advantage*



- $R^2$**
- **Reliability** – authentic Daicel CSPs and columns
  - **Robustness** – outstanding durability and extended lifetime
  - **Reproducibility** – easy method validation

Plus:

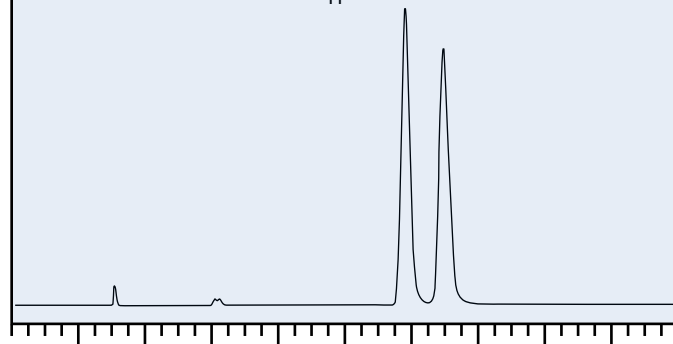
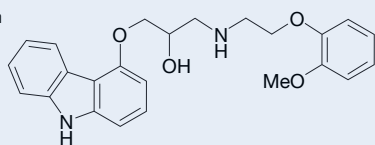
- Unique enantiorecognition
- Solvent flexibility



## CHIRALPAK® IE™

## Carvedilol

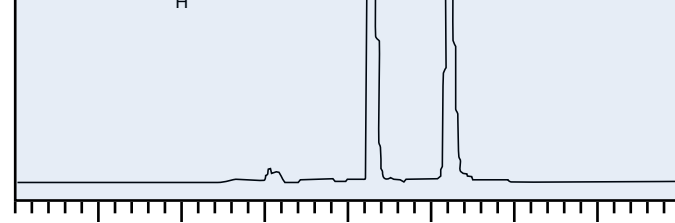
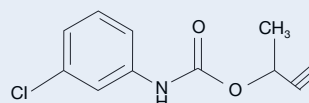
Column: CHIRALPAK IE 4.6 x 250 mm  
 Mobile Phase: Hexane/EtOH/DEA  
 80/20/0.1 v/v/v  
 Flow Rate: 1.0 mL/min  
 Temperature: 25 °C  
 Detection: UV 254 nm



Minutes

## Chlorbufam

Column: CHIRALPAK IE 4.6 x 250 mm  
 Mobile Phase: Hexane/EtOH 80/20 v/v  
 Flow Rate: 1.0 mL/min  
 Temperature: 25 °C  
 Detection: UV 254 nm



Minutes

For more information about all of our proprietary columns and CSPs, call 1-800-6CHIRAL, or visit us online at [www.chiraltech.com](http://www.chiraltech.com).

PART NO.	PRODUCT NAME	PARTICLE SIZE (µm)	ID (mm)	LENGTH (mm)	PRODUCT TYPE
85020	CHIRALPAK IE	20	1 kg		CSP
85225	CHIRALPAK IE	20	4.6	250	Method Development
85233	CHIRALPAK IE	20	10	100	SMB (set of 8)
85235	CHIRALPAK IE	20	10	250	Semi-Prep
85242	CHIRALPAK IE	20	21	50	Semi-Prep Guard
85245	CHIRALPAK IE	20	21	250	Semi-Prep
85255	CHIRALPAK IE	20	50	250	Semi-Prep
85256	CHIRALPAK IE	20	50	500	Preparative
85266	CHIRALPAK IE	20	100	500	Preparative
85275	CHIRALPAK IE	20	30	250	Semi-Prep
85935	CHIRALPAK IE	20	10	250	SFC Semi-Prep
85945	CHIRALPAK IE	20	21	250	SFC Semi-Prep
85955	CHIRALPAK IE	20	50	250	SFC Semi-Prep
85975	CHIRALPAK IE	20	30	250	SFC Semi-Prep
85311	CHIRALPAK IE	5	4.0	10	Guard Cartridges
85324	CHIRALPAK IE	5	4.6	150	Analytical
85325	CHIRALPAK IE	5	4.6	250	Analytical
85335	CHIRALPAK IE	5	10	250	Semi-Prep
85337	CHIRALPAK IE	5	10	20	Semi-Prep Guard

PART NO.	PRODUCT NAME	PARTICLE SIZE (µm)	ID (mm)	LENGTH (mm)	PRODUCT TYPE
85345	CHIRALPAK IE	5	20	250	Semi-Prep
85375	CHIRALPAK IE	5	30	250	Semi-Prep
85394	CHIRALPAK IE	5	2.1	150	Analytical
85422	CHIRALPAK IE	5	4.6	50	SFC Guard
85423	CHIRALPAK IE	5	4.6	100	SFC Screening Columns
85435	CHIRALPAK IE	5	10	250	SFC Semi-Prep
85445	CHIRALPAK IE	5	21	250	SFC Semi-Prep
85455	CHIRALPAK IE	5	50	250	SFC Preparative
85475	CHIRALPAK IE	5	30	250	SFC Semi-Prep
85511	CHIRALPAK IE-3	3	4.0	10	Guard Cartridges
85522	CHIRALPAK IE-3	3	4.6	50	Analytical
85523	CHIRALPAK IE-3	3	4.6	100	Analytical
85524	CHIRALPAK IE-3	3	4.6	150	Analytical
85525	CHIRALPAK IE-3	3	4.6	250	Analytical
85592	CHIRALPAK IE-3	3	2.1	50	Analytical
85593	CHIRALPAK IE-3	3	2.1	100	Analytical
85594	CHIRALPAK IE-3	3	2.1	150	Analytical
85595	CHIRALPAK IE-3	3	2.1	250	Analytical