

# Chiral ION-QN & Chiral ION-QD

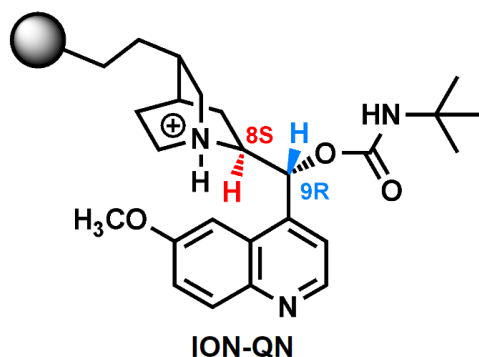
Weak Anion-Exchanger (WAX) stationary phases for reliable chiral separation of organic acids and amino acids

## Product Overview

Galochrom introduces own generic series of weak anion-exchangers, based on *tert*-butyl-carbamoylated *Cinchona* alkaloids quinine (QN) and quinidine (QD).

The pseudoenantiomeric nature of the utilized chiral units (QN/QD pair) facilitates outstanding separation of acidic racemates while allowing for the reversal elution order of enantiomers between the two columns.

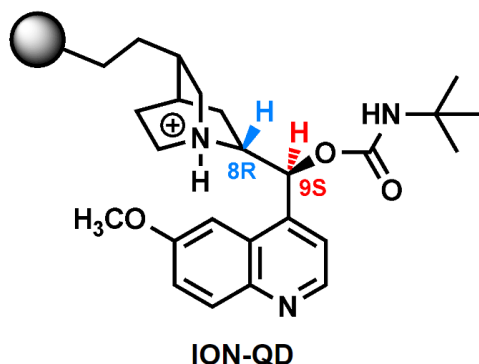
**These columns represent the most efficient approach to purify and resolve even the most challenging mixtures.**



## Applications

Chiral ION-QN, Chiral ION-QD are ideal for enantioseparations of chiral acidic compounds, including:

- *N*-protected amino acids
- Aminophosphonic & Aminosulfonic acids
- Lactic & Thiolactic acids
- Clenbuterol & Thyroxine



## Key Benefits

Provide better separation power and increased enantioselectivity (in comparison to commercially available alternatives)

- Allow elegant switch of the elution order of enantiomers
- Demonstrate high-stability against all common HPLC solvents
- Enable enhanced method development
- Available at analytical and preparative scale

## Features

<b>Max. Pressure</b>	3626 psi (250bar)
<b>Particle Size</b>	3 µm*
<b>pH range</b>	2 to 8
<b>Pore Size</b>	200 Å
<b>Surface Area</b>	220 m <sup>2</sup> /g

<b>Max. Temperature</b>	50 °C
<b>Packing Material</b>	Spherical, Fully Porous
<b>Carbon Load</b>	13.0 %
<b>Endcapped</b>	Yes
<b>Product Line</b>	ION

\*Preparative columns contain 5 µm particles with 120 Å pores.

Moreover, you can order custom column dimensions as well as preferred particle size.