

# Kromasil<sup>®</sup>

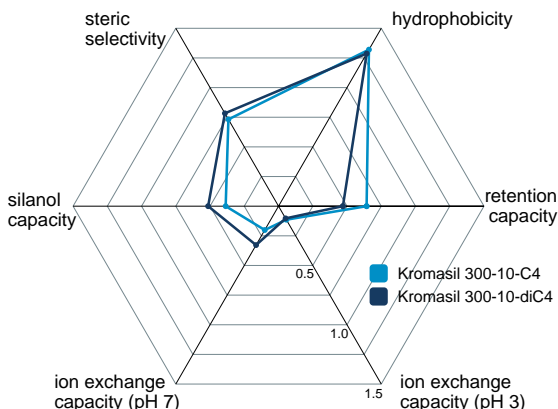
## When two is better than one

Kromasil diC4 stationary phase  
for your biomolecule separations



Nouryon

## The new alternative in C4 phases



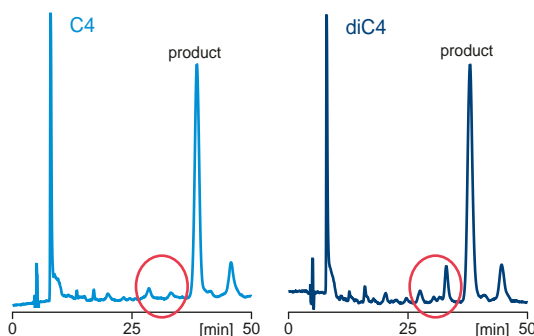
Kromasil diC4 has strong C4 characteristics, yet slightly higher silanol capacity and ion exchange capacity [at pH 7], and lower retention capacity.

With the 300 Å pore size, even biomolecules larger than 10 kDa can be separated on Kromasil diC4.

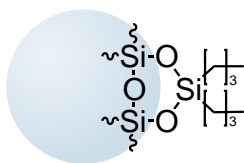
Tanaka test diagram of silica phase characteristics

## Selectivity changes that make a difference

Impurities that coelute with the product on a C4 column, can successfully be separated on the Kromasil diC4 column.



Columns: Kromasil 300-10-C4, 4.6 x 250 mm [L10CSA25]  
Kromasil 300-10-diC4, 4.6 x 250 mm [L10DCA25]  
Substance: crude of insulin analogue  
Mobile phase: acetonitrile / 0.2 M ammonium acetate, pH 4  
Gradient: C4: 0 min: 48%, 45 min: 57% acetonitrile  
diC4: 0 min: 47%, 45 min: 56% acetonitrile  
Flow rate: 0.7 ml/min  
Detection: UV @ 254 nm



Schematic phase structure for Kromasil diC4

## Availability

Kromasil diC4 is available in bulk with 300 Å pore size and 10 or 16 µm particle size. This material is also available in prepacked columns: visit [kromasil.com](http://kromasil.com) for details.

Family	Phase	10 µm	16 µm
300 Å	diC4	L10DCblk	L16DCblk

The moment you adopt our Kromasil High Performance Concept, you join thousands of chromatographers who share a common goal: to achieve better separations when analyzing or isolating pharmaceuticals or other substances.

Not only will you benefit from our patented silica technology, but you gain a strong partner with a reliable track record in the field of silica products. For the past 70 years, we have pioneered new types of silica. Our long experience in the field of silica chemistry is the secret behind the development of Kromasil, and the success of our Separation Products group. Kromasil is available in bulk and in high-pressure slurry-packed columns.

The development, production and marketing of Kromasil are ISO 9001 certified.

Kromasil is a brand of Nouryon, a global specialty chemicals leader. Industries worldwide rely on our essential chemistry in the manufacture of everyday products. Building on our nearly 400-year history and operations in over 80 countries, the dedication of our 10,000 employees, and our shared commitment to safety, sustainability, and innovation, we have established a world-class business and built strong partnerships with our customers.



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