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KNAUER

Euroline

► ProntoSIL Hypersorb ODS

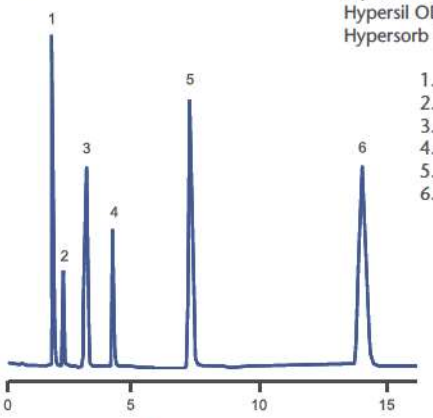
ProntoSIL Hypersorb ODS – the alternative to Hypersil ODS

ProntoSIL Hypersorb ODS is our recommended alternative to Hypersil ODS. As with the original Hypersil ODS, our ProntoSIL Hypersorb ODS material is made for a broad range of applications. Like Hypersil ODS, ProntoSIL Hypersorb ODS is based on a first generation (type A) silica gel and has been developed to exhibit the same bonding density. Due to the slightly lower acidity of the basic silica gel, its silanophilic activity is a little bit lower than that of Hypersil ODS. The polarity of the ProntoSIL Hypersorb ODS surface, and hence also the selectivity of the material, is practically identical to that of Hypersil ODS. The same selectivity is also observed with ProntoSIL Hypersorb ODS although basic compounds do elute with better peak shape.

Benefits of replacement

- No revalidation of your HPLC method
- Same selectivity as with Hypersil ODS
- Comparable hydrophobicity
- Identical metal content
- Lower silanophilic activity
- Excellent value

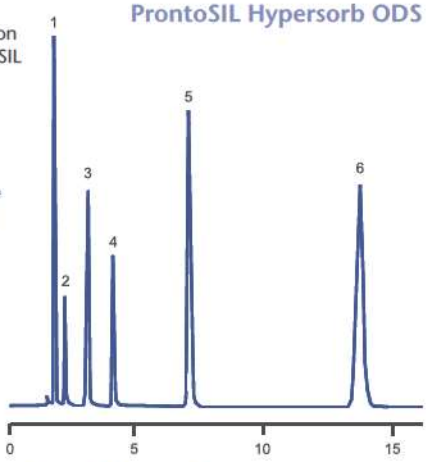
Hypersil ODS



Comparable results:
separation of a test mixture on Hypersil ODS and on ProntoSIL Hypersorb ODS

1. benzamide
2. benzyl alcohol
3. acetophenone
4. methyl benzoate
5. benzophenone
6. biphenyl

ProntoSIL Hypersorb ODS

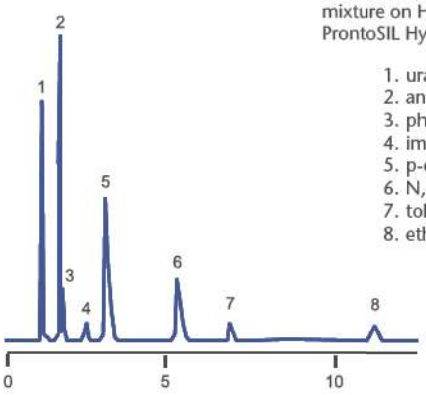


Column: 150 x 4.6 mm; Eluent: ACN/50 mM phosphate buffer (pH 3); Flow rate: 1.0 ml/min; Temperature: 30 °C; Detection: UV, 254 nm; Inj. volume: 10 µl

Quality control

Every column that leaves our production has been individually checked and is shipped with a test certificate. We guarantee the quality of every HPLC column we deliver. Our performance standards with regard to peak symmetry and plate counts are extremly high to ensure consistent material and column quality.

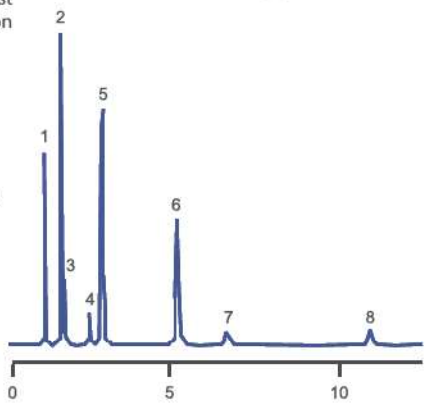
Hypersil ODS



Comparable results:
separation of the Engelhardt test mixture on Hypersil ODS and on ProntoSIL Hypersorb ODS.

1. uracil
2. aniline
3. phenol
4. impurity
5. p-ethylaniline
6. N,N-dimethylaniline
7. toluene
8. ethylbenzene

ProntoSIL Hypersorb ODS



Column: 150x4.6 mm; Eluent: MeOH/H_2O 49:51 (w/w); Flow rate: 1.0 ml/min; Temperature: 40°C; Detection: UV, 254 nm; Inj. volume: 5 µl

Ordering information

Order no.	**ProntoSIL Hypersorb ODS 5 µm**
P5BF180PYJ	5 µm, 5 x 2 mm ID Precolumn
P5DF180PYJ	5 µm, 5 x 4 mm ID Precolumn
P5EF180PYJ	5 µm, 5 x 4.6 mm ID Precolumn
25BF180PYJ	5 µm, 250 x 2 mm ID
25CF180PYJ	5 µm, 250 x 3 mm ID
25DF180PYJ	5 µm, 250 x 4 mm ID
25EF180PYJ	5 µm, 250 x 4.6 mm ID
15BF180PYJ	5 µm, 150 x 2 mm ID
15CF180PYJ	5 µm, 150 x 3 mm ID
15DF180PYJ	5 µm, 150 x 4 mm ID
15EF180PYJ	5 µm, 150 x 4.6 mm ID
12BF180PYJ	5 µm, 125 x 2 mm ID
12CF180PYJ	5 µm, 125 x 3 mm ID
12DF180PYJ	5 µm, 125 x 4 mm ID
12EF180PYJ	5 µm, 125 x 4.6 mm ID

Order no.	**ProntoSIL Hypersorb ODS 3 µm**
P5BF180PYG	3 µm, 5 x 2 mm ID Precolumn
P5DF180PYG	3 µm, 5 x 4 mm ID Precolumn
P5EF180PYG	3 µm, 5 x 4.6 mm ID Precolumn
25BF180PYG	3 µm, 250 x 2 mm ID
25CF180PYG	3 µm, 250 x 3 mm ID
25DF180PYG	3 µm, 250 x 4 mm ID
25EF180PYG	3 µm, 250 x 4.6 mm ID
15BF180PYG	3 µm, 150 x 2 mm ID
15CF180PYG	3 µm, 150 x 3 mm ID
15DF180PYG	3 µm, 150 x 4 mm ID
15EF180PYG	3 µm, 150 x 4.6 mm ID
12BF180PYG	3 µm, 125 x 2 mm ID
12CF180PYG	3 µm, 125 x 3 mm ID
12DF180PYG	3 µm, 125 x 4 mm ID
12EF180PYG	3 µm, 125 x 4.6 mm ID

Order no.	**Column Test Solution**
Y2112	RP column test mixture according to Engelhard, consisting of substances with various polarities. Contains uracil, aniline, phenol, p-ethylaniline, N,N-dimethyl-aniline, toluene, and ethylbenzene in an unbuffered mixture of methanol/water (49:51, v/v); 3x2 ml
Y2111	RP column test mixture of substances with various polarities for the determination of selectivity. Contains uracil, phenol, pyridine, dimethylphthalate, N,N-dimethylaniline, 4-butylbenzoic acid, and toluene in ACN/phosphate buffer (65:35, v/v), buffer: 50 mM (KH_2PO_4), pH 3.20; 3x2 ml

Other column sizes are available upon request.
Technical data are subject to change without notice.

Visit www.knauer.net for details on complete HPLC systems, HPLC columns, and osmometers.

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