Product Information

January 2025

Chiral-OM

Chiral-OM is a new chiral polysaccharide phase for HPLC using cellulose-tris-(3,5-dimethylphenyl)- carbamate as chiral selector which is bound to ultra high pure silica gel with 1000 Å pore size und 5 µm particle size.
Chiral-OM is available as normal phase column and under Chiral-OM-RP as column for separations in reversed phase mode. The columns can be used for various separations and are able to separate neutral, acidic and basic racemates. Almost 50% of all racemic compounds can be separated by using this phase.

Mobile Phases:
ITypically hexane/isopropanol or heptane/isopropanol mixtures are being used in normal phase mode. For basic analytes 0.1 – 0.5 % diethylamine or triethylamine and for acidic analytes 0.1 – 0.5 % trifluoroacetic acid (TFA) or acetic acid may be added.

Acetonitrile/water is typically being used for the reversed phase mode (RP-mode). Methanol or ethanol can be used as organic solvents. The water content has to be kept below 85%. For basic analytes 0.1% TFA may be added or 0.5 – 1.0 N perchlorat solution may be used. For acidic analytes perchlorate buffers should be used in combination with acetonitrile.

The following solvents may not be used as they might permanently harm the phase:
ether, THF, dioxane, methylene chloride, chloroform, ketones, ethylacetate, DMSO, DMF, dimethylacetamide, isopropanol (above 50%).

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