

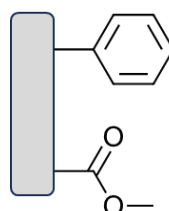
TEMIZ™ Polar RR Methyl ester

Material overview

TEMIZ Polar RR Methyl Ester is a rigid polymeric resin with a combination of semi-hydrophilic and lipophilic properties for use in separation, batch binding or scavenging. The resin chemistry backbone consists of highly stable DVB-Styrene with semi-polar Methyl ester groups. The mesoporous structure is optimal for small and oligomeric molecules.

Resin properties

Resin matrix	DVB/Sty
Particle size	200-1250 µm
Porosity	Mesoporous
Functionality	Semi-Polar RR Me-ester
Me-Ester content, ca	3 mmol/g



Application areas

With a new surface chemistry combination, this material offers a new selectivity for retaining organic compounds but is expected to exclude large proteins and other large molecules. Its unique rigid structure retains its porosity and therefore allows effective binding in both aqueous and non-aqueous / organic solutions. Unlike conventional softer resins this resin will retain its porous structure in organic solvents, oils and non-polar solutions.

The ester group is aliphatic, less hydrophobic than the aromatic polymer backbone and can offer novel selectivity for hydrophobic interactions. The surface functionality is versatile and can be further converted to a variety of other reactive moieties to adapt for different interactions or for coupling of ligands.

The large particles are optimal for preparative applications. They sediment quickly in suspension-type adsorption processes and pose low back-pressure conditions when packed in large columns.

Place your order at: order@redstone-sep.com.

Resin	Grams	Product code
Polar RR Me-Ester	1	11-05-0001
Polar RR Me-Ester	5	11-05-0005
Polar RR Me-Ester	10	11-05-0010
Polar RR Me-Ester	25	11-05-0025
Polar RR Me-Ester	100	11-05-0100