

Epitomize Chiral Stationary Phases

Polysaccharide-based Chiral Stationary Phases for UHPLC, HPLC, Preparative, and SMB

Epitomize CSP-1 Series: Coated

The Epitomize CSP-1 series is based on derivatized polysaccharides that are coated onto modified silica gel. Recommended mobile phases are blends of alcohols and hydrocarbons at all ratios and acetonitrile. The CSP-1-R series is available for aqueous-based mobile phases.

CSP-1A	Amylose tris-(3,5-dimethylphenylcarbamate)
CSP-1C	Cellulose tris-(3,5-dimethylphenylcarbamate)
CSP-1K	Amylose tris-(3-chloro-4-methylphenylcarbamate)
CSP-1Z	Cellulose tris-(3-chloro-4-methylphenylcarbamate)
CSP-1J	Cellulose tris-(4-methylbenzoate)

Epitomize CSP-2 Series: Covalently-bound

The Epitomize CSP-2 series is based on derivatized polysaccharides that are covalently-bound to silica gel. The covalent linkage permits the use of all typical organic solvents including ketones (e.g., acetone), halogenated solvents (e.g., dichloromethane and chloroform), ethyl acetate, THF, MTBE, and other aggressive solvents such as DMF and DMA. The CSP-2 series allows the separation of many new racemates that could not be accomplished on coated CSPs due to mobile phase limitations. The CSP-2-R series is available for aqueous-based mobile phases.

Particle Sizes: 1.7, 3, 5, 10, 20, 50, 100, and 300 microns

Column Configurations: Wide selection for UHPLC, HPLC, Preparative, and SMB applications.

CSP-2A	Amylose tris-(3,5-dimethylphenylcarbamate)
CSP-2C	Cellulose tris-(3,5-dimethylphenylcarbamate)
CSP-2Z	Cellulose tris-(3-chloro-4-methylphenylcarbamate)

Epitomize Chiral Product Application List

Applications	Chemicals	Columns	Particle Size (micron)
Pharmaceuticals	Flurbiprofen, Indoprofen, Ketoprofen, Lansoprazole, Mandelic Acid, Proglumide, Atropine, Benfluorex, Brompheniramine, Bucetin, Bupivacaine, Chlorpheniramine, Citalopram, Clopidogrel, Disopyramide, Dropropizine, Econazole, Metoprolol, Mianserin, Miconazole, Pheniramine, Propranolol, Sulconazole, Terfenadine, Trimebutine, Verapamil, Pindolol	1A, 1C, 1K 1Z, 2C	5, 1.7
Environmental Compounds	Dichlorprop, Mecoprop, Napropamid	1A, 1Z	5
Food and Nutrients	3-Phenyllactic Acid, Flavanone, Naringenin, 1-Phenylethanol	1A, 1C, 1K, 1Z	5, 1.7
Proteomics	Bi-2-naphthol, 1-(1-Naphthyl)ethanol, 1-(2-Naphthyl)ethanol, 1-Phenoxy-2-propanol, 1-Phenyl-2-propyn-1-ol, 1,2,3,4-Tetrahydro-1-naphthol, 5-Methyl-5-phenylhydantoin	1C, 1Z, 2C, 1A, 1K	5, 1.7
Proteomics	2-Phenoxypropionic Acid, 2-Phenylpropionic Acid, 1-Acenaphthenol, Benzoin, Hydrobenzoin, Indanol, Methyl Phenyl Sulfoxide, trans-2-Phenyl-1-cyclohexanol, 1-Phenylethanediol,	1C, 1Z, 2C, 1A, 1K	5, 1.7
Test Mix	Trans-Stilbene Oxide, Troger's Base	1A, 1C, 1K, 1Z	5, 1.7