



Hybrid and high-strength silica UPLC/UHPLC columns

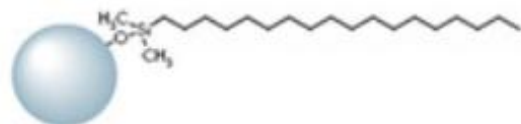
Leosil[®] Hybrid HPLC & UHPLC Columns

The XP series columns utilize hybrid silica gel technology, combining the characteristics of organic and inorganic materials. This design retains the advantages of pure silica gel while offering the stability of polymeric fillers over a wide pH range and low silanol activity. These features ensure excellent chromatographic separation performance and extend the column's lifespan.

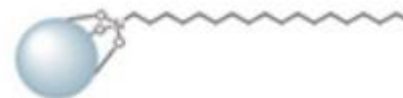
Product Advantages

- Unique hybrid bare-particle structure enhances pH tolerance.
- Patented three-bond modification and unique end-capping ensure high column efficiency and excellent peak symmetry.
- Versatile bonding phase design increases method development selectivity and reduces development difficulty.

Unique Bonding Technology

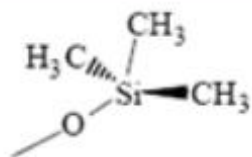


Conventional C18 Column
(Monofunctional Bonding)



Anavo XP C18 Column
(Trifunctional Bonding, providing optimal stability)

Polar Endcapping Technology



Traditional C18 Endcapping Technology: Trimethylsilyloxy



Anavo C18 Column Endcapping Technology: Utilizes a unique high-pressure endcapping technique with polar endcapping to enhance polar retention.

XP (Hybrid Particle Technology)

The Anavo XP hybrid particle chromatography filler leads the industry in chromatographic versatility, chemical tolerance, and mechanical stability. Under extreme pH and temperature conditions, using XP columns enhances the retention and selectivity of acidic, basic, and neutral analytes. With excellent stability across a pH range of 1-12, XP-based columns offer high column efficiency and well-symmetrical peak shapes.

PHS XP (Hybrid Charged Surface Particle Technology)

Anavo PHS XP hybrid charged surface particle filler combines the superior properties of XP particles with enhanced chromatographic selectivity and excellent peak shape under low ionic strength mobile phase conditions. Its optimized surface charge, pore structure, and bonded phase make it an ideal choice for rapid method development.

Filler Selection Guide



Serial Number	Filler	Product Features	pH	Carbon Content	US Classification	Corresponding W Brand
1	XP C18	A versatile chromatographic column suitable for a wide range of analytes, capable of operating across a broad pH range of 1-12. It offers higher thermal stability than pure silica columns and can be used with mobile phases containing varying concentrations of buffer salts and ion-pair reagents, making it an ideal choice for method development.	1~12	20.0%	L1	XBridge/ACQUITY UPLC BEH C18
2	XP C18/PFP	Combining both C18 and PFP functional groups, it combines the non-polar characteristics of C18 with the strong polarity of PFP, enabling better separation of complex mixtures.	1~12	14.5%	-	-
3	XP T3	Featuring a tri-functional bonding technology, this column is compatible with and resistant to 100% aqueous phases, stable across the pH range of 1-12, and offers enhanced retention of polar compounds while providing the longer lifespan typical of hybrid silica columns.	1~12	14.0%	L1	-
4	XP Polar C18	The three-point bonding technology employed reduces the loss of the bonded phase under high aqueous conditions, thereby extending the column lifespan.	2~11	18.0%	L1	-
5	XP Polar C18 Plus	By incorporating polar embedded groups in the bonded phase, XP RP18Plus is compatible with and resistant to 100% aqueous phases, remaining stable across a pH range of 2-12. The polar embedded groups also shield silanol groups on the packing material, providing excellent peak shapes for basic compounds.	2~11	17.0%	L1	XBridge/ACQUITY UPLC BEH Shield RP18
6	XP Amide	The hydrophilic interaction chromatography (HILIC) column meets the separation needs for strongly polar compounds that cannot be retained by C18. The Amide column, based on hybrid silica gel packing, operates across a broader pH range (pH 2-11), addressing the separation needs of acidic, basic, and neutral strong polar compounds.	2~11	17.0%	L68	XBridge/ACQUITY UPLC BEH Amide

7	XP C8	The C8 column, suitable for a wide range of analytes, can be used within the pH range of 1-12, providing good peak symmetry, column efficiency, and chemical stability for compounds.	1~12	13.0%	L7	XBridge/ACQUITY UPLC BEH C8
8	XP C4	The butylsilyl-bonded hybrid silica chromatography column, used within the pH range of 1-10, is ideal for separating hydrophobic small molecules and can also be used for reversed-phase analysis of large molecules such as proteins.	1~10	9.5%	L26	-
9	XP HILIC	With excellent chemical stability within the pH range of 1-9, this column can be used under normal phase and hydrophilic interaction chromatography (HILIC) conditions. It enhances the retention of polar compounds, especially polar basic and neutral compounds.	1~9	---	L3	XBridge/ACQUITY UPLC BEH HILIC
10	XP NH2	As amino groups easily detach from the silica surface, extending the lifespan of amino columns is a significant challenge. The XP NH2 uses hybrid silica and tridentate bonding technology, ensuring stability within the pH range of 1-9, significantly prolonging column life. It can be used in normal phase and HILIC modes, suitable for the analysis of compounds such as carbohydrates and steroids.	1~9	9.0%	L8	-
11	XP PFP	The material is prepared using a chemical bonding technique with a five-fluorophenyl-silica matrix. Its hydrophobic surface provides excellent separation in reversed-phase chromatography, making it particularly suitable for the separation and purification of compounds with low polarity and strong hydrophobicity.	1~8	7.0%	L43	-
12	XP Phenyl	XP Phenyl-Hexyl is a phenyl column with a triple-bonded phenyl-hexyl group. Compared to silica-based phenyl columns, it offers a wider pH tolerance range (pH 1-12) and better chemical stability of the bonded phase. XP Phenyl-Hexyl provides selectivity distinct from that of straight-chain alkyl columns like C18 or C8, making it ideal for the analysis of aromatic compounds and amines.	1~12	15.0%	L11	XBridge/ACQUITY UPLC BEH Phenyl

13	PHS XP C18	The general-purpose C18 column, with a low level of surface-positive charge, improves the tailing factor of basic compounds under low ionic strength conditions (e.g., 0.1% formic acid system) without the need for ion-pair reagents. This results in excellent peak shapes for basic compounds, while also increasing sample loading and peak capacity. PHS XP tC18 is stable within the pH range of 1-11, making it ideal for the analysis of basic compounds, particularly peptides, where it excels in both loading capacity and peak shape.	1~11	0.17	L1	XSelect/ACQUITY UPLC CSH C18
14	PHS XP F5	The surface-charged five-fluorophenyl column is suitable for the analysis of aromatic compounds, halogenated compounds, and planar positional isomers.	1~8	0.1	L43	XSelect/ACQUITY UPLC CSH PFP
15	PHS XP Phenyl	The surface charge enhances peak shape and capacity for basic compounds, making it suitable for the analysis of aromatic compounds.	1~11	0.15	L11	XSelect/ACQUITY UPLC CSH Phenyl- hexyl

1、 Leosil Hybrid C18 Column

Product Number	Product Type	English Description
AN80A179	Leosil Hybrid C18 Column	Leosil XP C18, 5 μ m, 150*4.6 mm
AN80A027	Leosil Hybrid C18 Column	Leosil XP C18, 5 μ m, 250*4.6 mm
AN80A178	Leosil Hybrid C18 Column	Leosil XP C18, 3.5 μ m, 250*4.6 mm
AN80A033	Leosil Hybrid C18 Column	Leosil XP C18, 3.5 μ m, 150*4.6 mm
AN80A177	Leosil Hybrid C18 Column	Leosil XP C18, 2.5 μ m, 250*4.6 mm
AN80A176	Leosil Hybrid C18 Column	Leosil XP C18, 2.5 μ m, 150*4.6 mm
AN80A175	Leosil Hybrid C18 Column	Leosil XP C18, 2.5 μ m, 150*2.1 mm
AN80A174	Leosil Hybrid C18 Column	Leosil XP C18, 2.5 μ m, 100*2.1 mm
AN80A059	Leosil Hybrid C18 Column	Leosil XP C18, 2.5 μ m, 50*2.1 mm
AN80A067	Leosil Hybrid C18 Column	Leosil XP C18, 2.5 μ m, 100*2.1 mm
AN80A075	Leosil Hybrid C18 Column	Leosil XP C18, 1.7 μ m, 50*2.1 mm
AN80A038	Leosil Hybrid C18 Column	Leosil XP C18, 1.7 μ m, 150*2.1 mm
AN80A006	Leosil Hybrid C18 Column	Leosil XP C18, 1.7 μ m, 100*2.1 mm

2、Leosil Hybrid C18/PFP Column

Product Number	Product Type	English Description
AN80A292	Leosil Hybrid C18/PFP Column	Leosil XP C18/PFP 3.5 μ m, 50x 2.1 mm
AN80A293	Leosil Hybrid C18/PFP Column	Leosil XP C18/PFP 3.5 μ m, 100x 2.1 mm
AN80A294	Leosil Hybrid C18/PFP Column	Leosil XP C18/PFP 3.5 μ m, 150 x 2.1 mm
AN80A295	Leosil Hybrid C18/PFP Column	Leosil XP C18/PFP 3.5 μ m, 150 x 4.6 mm
AN80A296	Leosil Hybrid C18/PFP Column	Leosil XP C18/PFP 3.5 μ m, 250 x 4.6 mm
AN80A297	Leosil Hybrid C18/PFP Column	Leosil XP C18/PFP 5 μ m, 150 x 4.6 mm
AN80A298	Leosil Hybrid C18/PFP Column	Leosil XP C18/PFP 5 μ m, 250 x 4.6 mm

3、Leosil Hybrid T3 Pillar

Product Number	Product Type	English Description
AN80A233	Leosil Hybrid T3 Pillar	Leosil XP T3 5 μm, 250 x 4.6 mm
AN80A232	Leosil Hybrid T3 Pillar	Leosil XP T3 5 μm, 150 x 4.6 mm
AN80A227	Leosil Hybrid T3 Pillar	Leosil XP T3 3.5 μm, 50x 2.1 mm
AN80A231	Leosil Hybrid T3 Pillar	Leosil XP T3 3.5 μm, 250 x 4.6 mm
AN80A230	Leosil Hybrid T3 Pillar	Leosil XP T3 3.5 μm, 150 x 4.6 mm
AN80A229	Leosil Hybrid T3 Pillar	Leosil XP T3 3.5 μm, 150 x 2.1 mm
AN80A228	Leosil Hybrid T3 Pillar	Leosil XP T3 3.5 μm, 100x 2.1 mm

4、Leosil Hybrid Polar C18 Column

Product Number	Product Type	English Description
AN80A214	Leosil Hybrid Polar C18 Column	Leosil XP Polar C18, 5 μm, 250 x 4.6 mm
AN80A213	Leosil Hybrid Polar C18 Column	Leosil XP Polar C18, 5 μm, 150 x 4.6 mm
AN80A212	Leosil Hybrid Polar C18 Column	Leosil XP Polar C18, 3.5 μm, 250 x 4.6 mm
AN80A211	Leosil Hybrid Polar C18 Column	Leosil XP Polar C18, 3.5 μm, 150 x 4.6 mm
AN80A206	Leosil Hybrid Polar C18 Column	Leosil XP Polar C18, 2.5 μm, 50x 2.1 mm
AN80A210	Leosil Hybrid Polar C18 Column	Leosil XP Polar C18, 2.5 μm, 250 x 4.6 mm
AN80A209	Leosil Hybrid Polar C18 Column	Leosil XP Polar C18, 2.5 μm, 150 x 4.6 mm
AN80A208	Leosil Hybrid Polar C18 Column	Leosil XP Polar C18, 2.5 μm, 150 x 2.1 mm
AN80A207	Leosil Hybrid Polar C18 Column	Leosil XP Polar C18, 2.5 μm, 100x 2.1 mm
AN80A203	Leosil Hybrid Polar C18 Column	Leosil XP Polar C18, 1.7 μm, 50x 2.1 mm
AN80A205	Leosil Hybrid Polar C18 Column	Leosil XP Polar C18, 1.7 μm, 150 x 2.1 mm
AN80A204	Leosil Hybrid Polar C18 Column	Leosil XP Polar C18, 1.7 μm, 100x 2.1 mm

5、Leosil Hybrid Polar C18 Plus Column

Product Number	Product Type	English Description
AN80A215	Leosil Hybrid Polar C18 Plus Column	Leosil XP Polar C18 Plus, 1.7 μm, 50x 2.1 mm
AN80A216	Leosil Hybrid Polar C18 Plus Column	Leosil XP Polar C18 Plus, 1.7 μm, 100x 2.1 mm
AN80A217	Leosil Hybrid Polar C18 Plus Column	Leosil XP Polar C18 Plus, 1.7 μm, 150 x 2.1 mm
AN80A218	Leosil Hybrid Polar C18 Plus Column	Leosil XP Polar C18 Plus, 2.5 μm, 50x 2.1 mm
AN80A219	Leosil Hybrid Polar C18 Plus Column	Leosil XP Polar C18 Plus, 2.5 μm, 100x 2.1 mm
AN80A220	Leosil Hybrid Polar C18 Plus Column	Leosil XP Polar C18 Plus, 2.5 μm, 150 x 2.1 mm
AN80A221	Leosil Hybrid Polar C18 Plus Column	Leosil XP Polar C18 Plus, 2.5 μm, 150 x 4.6 mm
AN80A222	Leosil Hybrid Polar C18 Plus Column	Leosil XP Polar C18 Plus, 2.5 μm, 250 x 4.6 mm
AN80A223	Leosil Hybrid Polar C18 Plus Column	Leosil XP Polar C18 Plus, 3.5 μm, 150 x 4.6 mm
AN80A224	Leosil Hybrid Polar C18 Plus Column	Leosil XP Polar C18 Plus, 3.5 μm, 250 x 4.6 mm
AN80A225	Leosil Hybrid Polar C18 Plus Column	Leosil XP Polar C18 Plus, 5 μm, 150 x 4.6 mm
AN80A226	Leosil Hybrid Polar C18 Plus Column	Leosil XP Polar C18 Plus, 5 μm, 250 x 4.6 mm

6、Leosil Hybrid Amide Column

Product Number	Product Type	English Description
AN80A091	Leosil Hybrid Amide Column	Leosil XP Amide, 5 μm, 250*4.6 mm
AN80A260	Leosil Hybrid Amide Column	Leosil XP Amide, 5 μm, 150*4.6 mm
AN80A259	Leosil Hybrid Amide Column	Leosil XP Amide, 3.5 μm, 250*4.6 mm
AN80A258	Leosil Hybrid Amide Column	Leosil XP Amide, 3.5 μm, 150*4.6 mm
AN80A086	Leosil Hybrid Amide Column	Leosil XP Amide, 3.5 μm, 100*2.1 mm
AN80A254	Leosil Hybrid Amide Column	Leosil XP Amide, 2.5 μm, 50*2.1 mm
AN80A257	Leosil Hybrid Amide Column	Leosil XP Amide, 2.5 μm, 250*4.6 mm
AN80A256	Leosil Hybrid Amide Column	Leosil XP Amide, 2.5 μm, 150*4.6 mm
AN80A255	Leosil Hybrid Amide Column	Leosil XP Amide, 2.5 μm, 150*2.1 mm
AN80A054	Leosil Hybrid Amide Column	Leosil XP Amide, 2.5 μm, 100*2.1 mm
AN80A056	Leosil Hybrid Amide Column	Leosil XP Amide, 2 μm, 100*2.1 mm
AN80A252	Leosil Hybrid Amide Column	Leosil XP Amide, 1.7 μm, 50*2.1 mm
AN80A253	Leosil Hybrid Amide Column	Leosil XP Amide, 1.7 μm, 150*2.1 mm
AN80A055	Leosil Hybrid Amide Column	Leosil XP Amide, 1.7 μm, 100*2.1 mm

7、Leosil Hybrid C8 Column

Product Number	Product Type	English Description
AN80A190	Leosil Hybrid C8 Column	Leosil XP C8, 5 μ m, 250 x 4.6 mm
AN80A189	Leosil Hybrid C8 Column	Leosil XP C8, 5 μ m, 150 x 4.6 mm
AN80A188	Leosil Hybrid C8 Column	Leosil XP C8, 3.5 μ m, 250 x 4.6 mm
AN80A187	Leosil Hybrid C8 Column	Leosil XP C8, 3.5 μ m, 150 x 4.6 mm
AN80A182	Leosil Hybrid C8 Column	Leosil XP C8, 2.5 μ m, 50x 2.1 mm
AN80A186	Leosil Hybrid C8 Column	Leosil XP C8, 2.5 μ m, 250 x 4.6 mm
AN80A185	Leosil Hybrid C8 Column	Leosil XP C8, 2.5 μ m, 150 x 4.6 mm
AN80A184	Leosil Hybrid C8 Column	Leosil XP C8, 2.5 μ m, 150 x 2.1 mm
AN80A183	Leosil Hybrid C8 Column	Leosil XP C8, 2.5 μ m, 100x 2.1 mm
AN80A180	Leosil Hybrid C8 Column	Leosil XP C8, 1.7 μ m, 50x 2.1 mm
AN80A181	Leosil Hybrid C8 Column	Leosil XP C8, 1.7 μ m, 150 x 2.1 mm
AN80A032	Leosil Hybrid C8 Column	Leosil XP C8, 1.7 μ m, 100x 2.1 mm

8、Leosil Hybrid C4 Column

Product Number	Product Type	English Description
AN80A202	Leosil Hybrid C4 Column	Leosil XP C4 5μm, 250 x 4.6 mm
AN80A201	Leosil Hybrid C4 Column	Leosil XP C4 5μm, 150 x 4.6 mm
AN80A200	Leosil Hybrid C4 Column	Leosil XP C4 3.5μm, 250 x 4.6 mm
AN80A199	Leosil Hybrid C4 Column	Leosil XP C4 3.5μm, 150 x 4.6 mm
AN80A194	Leosil Hybrid C4 Column	Leosil XP C4 2.5μm, 50x 2.1 mm
AN80A198	Leosil Hybrid C4 Column	Leosil XP C4 2.5μm, 250 x 4.6 mm
AN80A197	Leosil Hybrid C4 Column	Leosil XP C4 2.5μm, 150 x 4.6 mm
AN80A196	Leosil Hybrid C4 Column	Leosil XP C4 2.5μm, 150 x 2.1 mm
AN80A195	Leosil Hybrid C4 Column	Leosil XP C4 2.5μm, 100x 2.1 mm
AN80A191	Leosil Hybrid C4 Column	Leosil XP C4 1.7μm, 50x 2.1 mm
AN80A193	Leosil Hybrid C4 Column	Leosil XP C4 1.7μm, 150 x 2.1 mm
AN80A192	Leosil Hybrid C4 Column	Leosil XP C4 1.7μm, 100x 2.1 mm

9、Leosil Hybrid HILIC Column

Product Number	Product Type	English Description
AN80A272	Leosil Hybrid HILIC Column	Leosil XP HILIC 5 μ m, 250 x 4.6 mm
AN80A271	Leosil Hybrid HILIC Column	Leosil XP HILIC 5 μ m, 150 x 4.6 mm
AN80A270	Leosil Hybrid HILIC Column	Leosil XP HILIC 3.5 μ m, 250 x 4.6 mm
AN80A269	Leosil Hybrid HILIC Column	Leosil XP HILIC 3.5 μ m, 150 x 4.6 mm
AN80A264	Leosil Hybrid HILIC Column	Leosil XP HILIC 2.5 μ m, 50x 2.1 mm
AN80A268	Leosil Hybrid HILIC Column	Leosil XP HILIC 2.5 μ m, 250 x 4.6 mm
AN80A267	Leosil Hybrid HILIC Column	Leosil XP HILIC 2.5 μ m, 150 x 4.6 mm
AN80A266	Leosil Hybrid HILIC Column	Leosil XP HILIC 2.5 μ m, 150 x 2.1 mm
AN80A265	Leosil Hybrid HILIC Column	Leosil XP HILIC 2.5 μ m, 100x 2.1 mm
AN80A262	Leosil Hybrid HILIC Column	Leosil XP HILIC 1.7 μ m, 50x 2.1 mm
AN80A263	Leosil Hybrid HILIC Column	Leosil XP HILIC 1.7 μ m, 150 x 2.1 mm
AN80A009	Leosil Hybrid HILIC Column	Leosil XP HILIC 1.7 μ m, 100x 2.1 mm

10、 Leosil Hybrid NH₂ Column

Product Number	Product Type	English Description
AN80A240	Leosil Hybrid NH ₂ Column	Leosil XP NH ₂ 5μm, 250 x 4.6 mm
AN80A239	Leosil Hybrid NH ₂ Column	Leosil XP NH ₂ 5μm, 150 x 4.6 mm
AN80A234	Leosil Hybrid NH ₂ Column	Leosil XP NH ₂ 3.5μm, 50x 2.1 mm
AN80A238	Leosil Hybrid NH ₂ Column	Leosil XP NH ₂ 3.5μm, 250 x 4.6 mm
AN80A237	Leosil Hybrid NH ₂ Column	Leosil XP NH ₂ 3.5μm, 150 x 4.6 mm
AN80A236	Leosil Hybrid NH ₂ Column	Leosil XP NH ₂ 3.5μm, 150 x 2.1 mm
AN80A235	Leosil Hybrid NH ₂ Column	Leosil XP NH ₂ 3.5μm, 100x 2.1 mm

11、 Leosil Hybrid PFP Pillar

Product Number	Product Type	English Description
AN80A291	Leosil Hybrid PFP Pillar	Leosil XP PFP 5 μm , 250 x 4.6 mm
AN80A290	Leosil Hybrid PFP Pillar	Leosil XP PFP 5 μm , 150 x 4.6 mm
AN80A285	Leosil Hybrid PFP Pillar	Leosil XP PFP 3.5 μm , 50x 2.1 mm
AN80A289	Leosil Hybrid PFP Pillar	Leosil XP PFP 3.5 μm , 250 x 4.6 mm
AN80A288	Leosil Hybrid PFP Pillar	Leosil XP PFP 3.5 μm , 150 x 4.6 mm
AN80A287	Leosil Hybrid PFP Pillar	Leosil XP PFP 3.5 μm , 150 x 2.1 mm
AN80A286	Leosil Hybrid PFP Pillar	Leosil XP PFP 3.5 μm , 100x 2.1 mm

12、 Leosil Hybrid Phenyl Column

Product Number	Product Type	English Description
AN80A051	Leosil Hybrid Phenyl Column	Leosil XP Phenyl, 5 μ m, 250 x 4.6mm
AN80A251	Leosil Hybrid Phenyl Column	Leosil XP Phenyl 5 μ m, 150 x 4.6 mm
AN80A250	Leosil Hybrid Phenyl Column	Leosil XP Phenyl 3.5 μ m, 250 x 4.6 mm
AN80A249	Leosil Hybrid Phenyl Column	Leosil XP Phenyl 3.5 μ m, 150 x 4.6 mm
AN80A244	Leosil Hybrid Phenyl Column	Leosil XP Phenyl 2.5 μ m, 50x 2.1 mm
AN80A248	Leosil Hybrid Phenyl Column	Leosil XP Phenyl 2.5 μ m, 250 x 4.6 mm
AN80A247	Leosil Hybrid Phenyl Column	Leosil XP Phenyl 2.5 μ m, 150 x 4.6 mm
AN80A246	Leosil Hybrid Phenyl Column	Leosil XP Phenyl 2.5 μ m, 150 x 2.1 mm
AN80A245	Leosil Hybrid Phenyl Column	Leosil XP Phenyl 2.5 μ m, 100x 2.1 mm
AN80A241	Leosil Hybrid Phenyl Column	Leosil XP Phenyl 1.7 μ m, 50x 2.1 mm
AN80A243	Leosil Hybrid Phenyl Column	Leosil XP Phenyl 1.7 μ m, 150 x 2.1 mm
AN80A242	Leosil Hybrid Phenyl Column	Leosil XP Phenyl 1.7 μ m, 100x 2.1 mm

13、 Leosil Hybrid Charged C18 Column

Product Number	Product Type	English Description
AN80A309	Leosil Hybrid Charged C18 Column	Leosil PHS XP C18 5 μ m, 250 x 4.6 mm
AN80A308	Leosil Hybrid Charged C18 Column	Leosil PHS XP C18 5 μ m, 150 x 4.6 mm
AN80A307	Leosil Hybrid Charged C18 Column	Leosil PHS XP C18 3.5 μ m, 250 x 4.6 mm
AN80A306	Leosil Hybrid Charged C18 Column	Leosil PHS XP C18 3.5 μ m, 150 x 4.6 mm
AN80A301	Leosil Hybrid Charged C18 Column	Leosil PHS XP C18 2.5 μ m, 50x 2.1 mm
AN80A305	Leosil Hybrid Charged C18 Column	Leosil PHS XP C18 2.5 μ m, 250 x 4.6 mm
AN80A304	Leosil Hybrid Charged C18 Column	Leosil PHS XP C18 2.5 μ m, 150 x 4.6 mm
AN80A303	Leosil Hybrid Charged C18 Column	Leosil PHS XP C18 2.5 μ m, 150 x 2.1 mm
AN80A302	Leosil Hybrid Charged C18 Column	Leosil PHS XP C18 2.5 μ m, 100x 2.1 mm
AN80A299	Leosil Hybrid Charged C18 Column	Leosil PHS XP C18 1.7 μ m, 50x 2.1 mm
AN80A300	Leosil Hybrid Charged C18 Column	Leosil PHS XP C18 1.7 μ m, 150 x 2.1 mm
AN80A008	Leosil Hybrid Charged C18 Column	Leosil PHS XP C18 1.7 μ m, 100x 2.1 mm

14、 Leosil Hybrid Charged F5 Column

Product Number	Product Type	English Description
AN80A323	Leosil Hybrid Charged F5 Column	Leosil PHS XP F5 5 μ m, 250 x 4.6 mm
AN80A322	Leosil Hybrid Charged F5 Column	Leosil PHS XP F5 5 μ m, 150 x 4.6 mm
AN80A317	Leosil Hybrid Charged F5 Column	Leosil PHS XP F5 3.5 μ m, 50x 2.1 mm
AN80A321	Leosil Hybrid Charged F5 Column	Leosil PHS XP F5 3.5 μ m, 250 x 4.6 mm
AN80A320	Leosil Hybrid Charged F5 Column	Leosil PHS XP F5 3.5 μ m, 150 x 4.6 mm
AN80A319	Leosil Hybrid Charged F5 Column	Leosil PHS XP F5 3.5 μ m, 150 x 2.1 mm
AN80A318	Leosil Hybrid Charged F5 Column	Leosil PHS XP F5 3.5 μ m, 100x 2.1 mm

15、 Leosil Hybrid Charged Phenyl Column

Product Number	Product Type	English Description
AN80A316	Leosil Hybrid Charged Phenyl Column	Leosil PHS XP Phenyl 5 μ m, 250 x 4.6 mm
AN80A315	Leosil Hybrid Charged Phenyl Column	Leosil PHS XP Phenyl 5 μ m, 150 x 4.6 mm
AN80A310	Leosil Hybrid Charged Phenyl Column	Leosil PHS XP Phenyl 3.5 μ m, 50x 2.1 mm
AN80A314	Leosil Hybrid Charged Phenyl Column	Leosil PHS XP Phenyl 3.5 μ m, 250 x 4.6 mm
AN80A313	Leosil Hybrid Charged Phenyl Column	Leosil PHS XP Phenyl 3.5 μ m, 150 x 4.6 mm
AN80A312	Leosil Hybrid Charged Phenyl Column	Leosil PHS XP Phenyl 3.5 μ m, 150 x 2.1 mm
AN80A311	Leosil Hybrid Charged Phenyl Column	Leosil PHS XP Phenyl 3.5 μ m, 100x 2.1 mm

Gemsil[®] High Purity Silica Gel HPLC & UHPLC Columns

The Gemsil series columns are packed with high-purity silica gel particles and manufactured under a strict ISO 9001 quality control system, ensuring excellent peak shape, as well as outstanding batch-to-batch stability and reproducibility. The Gold series columns offer various bonding phases including C18, C8, C30, and C12 amine, making them an ideal choice for cost-effective, routine analysis.

Product Advantages

- Sharp peaks and ultra-high column efficiency.
- Universal columns with excellent inter-column and batch-to-batch reproducibility.
- pH tolerance range: 2-8.
- Widely used in pharmaceutical, traditional Chinese medicine, environmental, and food safety testing fields.

Gemsil T3/HSS T3 Selection Guide:

Column Model	pH Range	Carbon Loading	Endcapped	100% Aqueous Compatibility	Temperature Range	Bonding Phase Characteristics	Pore Size	Surface Area (m ² /g)	USP Classification	Corresponding W Brand
Gemsil T3	1-8	14.0%	Yes (dual-end)	Yes	60°C (Low pH) 40°C (High pH)	High-strength silicone - C18 - three-phase bonding, reduced bonding density	100Å	330m ² /g	L1	Atlantis T3
Gemsil HSS T3	1-8	11.0%	Yes (dual-end)	Yes	60°C (Low pH) 40°C (High pH)	High-strength silicone - C18 - three-phase bonding, reduced bonding density	100Å	230m ² /g	L1	XSelect// ACQUITY UPLC HSS T3

Gemsil T3 Column

The Gemsil T3 is a silica-based C18 chromatographic column compatible with 100% aqueous mobile phase. Its unique trifunctional bonding and endcapping technologies enhance stability in pure aqueous systems and maximize the retention of polar compounds under reverse-phase conditions. The Gemsil T3 efficiently analyzes 13 organic carboxylic acids, providing excellent retention and peak shape, making it the preferred choice for analyzing polar carboxylic acids.

Gemsil T3 Column

Product Code	Product Type	Specifications
AN80A157	Gemsil T3 Chromatography Column	Gemsil T3 5 μ m, 250 x 4.6 mm
AN80A156	Gemsil T3 Chromatography Column	Gemsil T3 5 μ m, 150 x 4.6 mm
AN80A150	Gemsil T3 Chromatography Column	Gemsil T3 3 μ m, 50x 2.1 mm
AN80A155	Gemsil T3 Chromatography Column	Gemsil T3 3 μ m, 250 x 4.6 mm
AN80A154	Gemsil T3 Chromatography Column	Gemsil T3 3 μ m, 150 x 4.6 mm
AN80A152	Gemsil T3 Chromatography Column	Gemsil T3 3 μ m, 150 x 2.1 mm
AN80A151	Gemsil T3 Chromatography Column	Gemsil T3 3 μ m, 100x 2.1 mm
AN80A153	Gemsil T3 Chromatography Column	Gemsil T3 3 μ m, 100 x 4.6 mm

Gemsil HSS T3 High-Strength Silica Column

The HSS T3 is a versatile C18 column, featuring high-strength silica-based packing and tridentate bonding technology, which allows it to withstand higher pressure ranges. It offers broad compatibility with various compound properties, is fully compatible with 100% aqueous phases, and demonstrates excellent resistance to acidic conditions. The column exhibits minimal bleed and features unique end-capping technology, resulting in superior peak shapes. It is ideal for applications in fields such as metabolomics.

Gemsil HSS T3 High-Strength Silica Column

Product Code	Product Type	Specifications
AN80A328	Gemsil HSS T3 High Strength Silicone HPLC C18 Column	HSS T3 3.5 μ m, 250*4.6 mm
AN80A028	Gemsil HSS T3 High Strength Silicone HPLC C18 Column	HSS T3 3.5 μ m, 4.6*150mm
AN80A327	Gemsil HSS T3 High Strength Silicone HPLC C18 Column	HSS T3 2.5 μ m, 250*4.6 mm
AN80A326	Gemsil HSS T3 High Strength Silicone HPLC C18 Column	HSS T3 2.5 μ m, 150*4.6 mm
AN80A325	Gemsil HSS T3 High Strength Silicone HPLC C18 Column	HSS T3 2.5 μ m, 150*2.1 mm
AN80A324	Gemsil HSS T3 High Strength Silicone HPLC C18 Column	HSS T3 2.5 μ m, 100x 2.1 mm
AN80A090	Gemsil HSS T3 High Strength Silicone HPLC C18 Column	HSS T3 2.5 μ m, 50*2.1mm
AN80A058	Gemsil HSS T3 High Strength Silicone HPLC C18 Column	HSS T3 1.8 μ m, 50*2.1mm
AN80A109	Gemsil HSS T3 High Strength Silicone HPLC C18 Column	HSS T3 1.8 μ m, 150*2.1mm
AN80A007	Gemsil HSS T3 High Strength Silicone HPLC C18 Column	HSS T3 1.8 μ m, 100*2.1mm

Gemsil C18 column

Product Code	Product Type	Specifications
AN80A057	Gemsil C18 column	Gemsil C18, 5 μ m, 150*2.1mm
AN80A066	Gemsil C18 column	Gemsil C18, 5 μ m, 100*2.1mm
AN80A071	Gemsil C18 column	Gemsil C18, 3 μ m, 100*4.6mm
AN80A107	Gemsil C18 column	Gemsil C18, 3 μ m, 150*2.1mm
AN80A065	Gemsil C18 column	Gemsil C18, 3 μ m, 100*2.1mm
AN80A063	Gemsil C18 column	Gemsil C18, 3.5 μ m, 50*4.6mm
AN80A106	Gemsil C18 column	Gemsil C18 3.5 μ m, 2.1*150mm
AN80A053	Anavo Luna equivalent C18 column	Anavo equal to Luna C18(2), 5 μ m, 250*4.6mm

Gemsil Hydrophilic C18 Chromatography Column

Product Code	Product Type	Specifications
AN80B003	Gemsil Hydrophilic C18 Chromatography Column	Gemsil Polar C18, 5 μ m, 250*4.6mm
AN80B004	Gemsil Hydrophilic C18 Chromatography Column	Gemsil Polar C18, 5 μ m, 150*4.6mm
AN80A074	Gemsil Hydrophilic C18 Chromatography Column	Gemsil Polar C18, 3 μ m, 150*4.6mm

Gemsil C12 Chromatography Column

Product Code	Product Type	Specifications
AN80A034	Gemsil C12 Chromatography Column	Gemsil C12, 2.5 μ m, 2.0*100mm

Gemsil HPLC C30 Column

Product Code	Product Type	Specifications
AN80A040	Gemsil HPLC C30 Column	Gemsil C30, 5 μ m, 4.6*250mm
AN80A060	Gemsil HPLC C30 Column	Gemsil C30, 5 μ m, 4.6*150mm
AN80A025	Gemsil HPLC C30 Column	Gemsil C30, 3 μ m, 4.6*250mm
AN80A085	Gemsil HPLC C30 Column	Gemsil C30, 3 μ m, 2*100mm
AN80A139	Gemsil C30 Column	C30, 3 μ m, 4.6*150mm

Gemsil C8 Chromatography Column

Product Code	Product Type	Specifications
AN80A105	Gemsil C8 Chromatography Column	Gemsil C8, 5 μ m, 4.6*250mm
AN80A104	Gemsil C8 Chromatography Column	Gemsil C8, 5 μ m, 4.6*150mm

Gemsil C4 Column

Product Code	Product Type	Specifications
AN80A045	Gemsil C4 Column	Gemsil C4, 5 μ m, 250*4.6mm

Gemsil CN Chromatography Column

Product Code	Product Type	Specifications
AN80A131	Gemsil CN Chromatography Column	CN, 5 μ m, 4.6*250mm
AN80A132	Gemsil CN Chromatography Column	CN, 5 μ m, 4.6*150mm

Gemsil Diol Column

Product Code	Product Type	Specifications
AN80A138	Gemsil Diol Column	Diol 5 μ m, 250*4.6mm
AN80A137	Gemsil Diol Column	Diol 5 μ m, 150*4.6mm
AN80A158	Gemsil Diol Column	Diol 3 μ m, 50x 2.1 mm
AN80A163	Gemsil Diol Column	Diol 3 μ m, 250*4.6 mm
AN80A162	Gemsil Diol Column	Diol 3 μ m, 150*4.6 mm
AN80A160	Gemsil Diol Column	Diol 3 μ m, 150*2.1 mm
AN80A159	Gemsil Diol Column	Diol 3 μ m, 100x 2.1 mm
AN80A161	Gemsil Diol Column	Diol 3 μ m, 100*4.6 mm

Gemsil HILIC Column

Product Code	Product Type	Specifications
AN80A173	Gemsil HILIC Column	HILIC 5 μ m, 250*4.6 mm
AN80A172	Gemsil HILIC Column	HILIC 5 μ m, 150*4.6 mm
AN80A166	Gemsil HILIC Column	HILIC 3 μ m, 50x 2.1 mm
AN80A171	Gemsil HILIC Column	HILIC 3 μ m, 250*4.6 mm
AN80A170	Gemsil HILIC Column	HILIC 3 μ m, 150*4.6 mm
AN80A168	Gemsil HILIC Column	HILIC 3 μ m, 150*2.1 mm
AN80A167	Gemsil HILIC Column	HILIC 3 μ m, 100x 2.1 mm
AN80A169	Gemsil HILIC Column	HILIC 3 μ m, 100*4.6 mm

Gemsil Amino Chromatography Column

Product Code	Product Type	Specifications
AN80B005	Gemsil Amino Chromatography Column	Gemsil NH ₂ , 5µm, 250*4.6mm
AN80B006	Gemsil Amino Chromatography Column	Gemsil NH ₂ , 5µm, 150*4.6mm

Gemsil Phenyl Propyl Chromatography Column

Product Code	Product Type	Specifications
AN80A123	Gemsil Phenyl Propyl Chromatography Column	Phenyl, 5µm, 4.6*250mm

Gemsil SCX Chromatography Column

Product Code	Product Type	Specifications
AN80A130	Gemsil SCX Chromatography Column	Gemsil SCX, 5µm, 4.6*150mm
AN80A018	Gemsil SCX Chromatography Column	Gemsil SCX, 5µm, 4.6*250mm

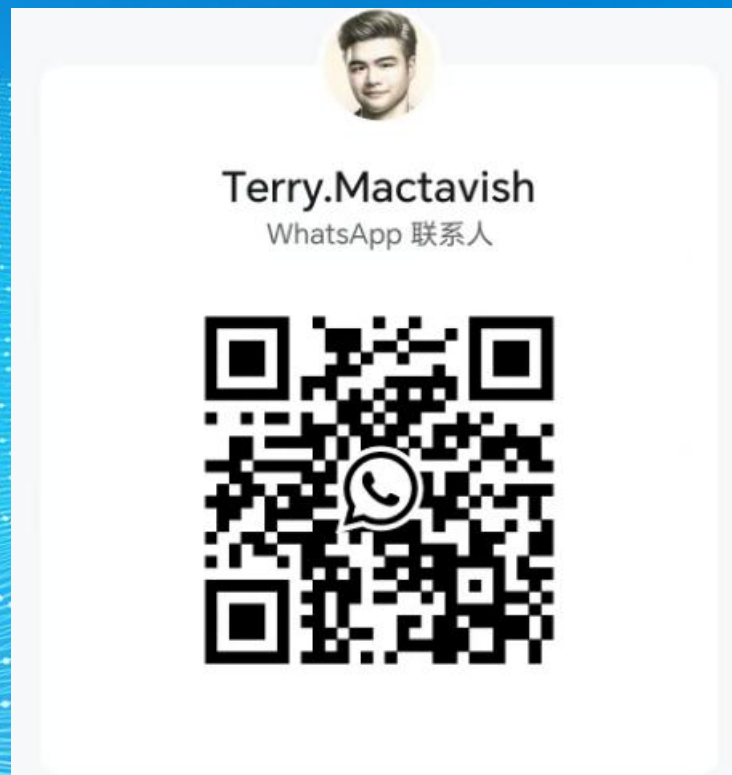
Gemsil PFP Column

Product Code	Product Type	Specifications
AN80A136	Gemsil PFP Column	PFP, 5 μ m, 4.6*250mm
AN80A135	Gemsil PFP Column	PFP, 5 μ m, 4.6*150mm
AN80A050	Gemsil PFP Column	PFP, 5 μ m, 250* 4.6mm
AN80A134	Gemsil PFP Column	PFP, 3 μ m, 4.6*250mm
AN80A133	Gemsil PFP Column	PFP, 3 μ m, 4.6*150mm
AN80A144	Gemsil PFP Pentafluorophenyl Column	PFP, 2 μ m, 2.1*50mm
AN80A146	Gemsil PFP Column	PFP, 2 μ m, 2.1*150mm
AN80A145	Gemsil PFP Column	PFP, 2 μ m, 2.1*100mm
AN80A052	Gemsil PFP Column	PFP, 2.6 μ m, 150*4.6mm
AN80A036	Gemsil PFP Column	PFP, 1.6 μ m, 50* 2.1mm
AN80A037	Gemsil PFP Column	PFP, 1.6 μ m, 150* 2.1mm
AN80A035	Gemsil PFP Column	PFP, 1.6 μ m, 100* 2.1mm

Gemsil Silica Chromatography Column

Product Code	Product Type	Specifications
AN80A082	Gemsil Silica Chromatography Column	Silica 5 μ m, 4.6*250mm
AN80A083	Gemsil Silica Chromatography Column	Silica 5 μ m, 4.6*150mm
AN80A147	Gemsil Silica UPLC Column	Silica 2 μ m, 2.1*50mm
AN80A149	Gemsil Silica UPLC Column	Silica 2 μ m, 2.1*150mm
AN80A148	Gemsil Silica UPLC Column	Silica 2 μ m, 2.1*100mm

Contact Us



Phone: +86 188 2709 1392

Email: chemicals_trading@126.com

Address: Rm 305, Building
Tengjundebiyiyuan,

No.1658 Gumei Road, Xuhui
District, Shanghai

www.scichrolab.com