

# Kinetex® Column Selection by Ph. Eur. Classification

Ph. Eur. Number & Description**	Phase	Particle Sizes
1160200 Silica gel for chromatography, alkyl bonded for use with highly aqueous mobile phases.	<b>Kinetex C18</b> <b>Kinetex XB-C18</b>	1.3 µm, 1.7 µm, 2.6 µm, 5 µm 1.7 µm, 2.6 µm, 5 µm
1176900 Silica gel for chromatography, alkyl bonded for use with highly aqueous mobile phases, endcapped.	<b>Kinetex C18</b> <b>Kinetex XB-C18</b>	1.3 µm, 1.7 µm, 2.6 µm, 5 µm 1.7 µm, 2.6 µm, 5 µm
1140000 Silica gel for chromatography, di-isobutyloctadecylsilyl.	<b>Kinetex XB-C18</b>	1.7 µm, 2.6 µm, 5 µm
1077500 Silica gel for chromatography, octadecylsilyl.	<b>Kinetex C18</b> <b>Kinetex XB-C18</b>	1.3 µm*, 1.7 µm*, 2.6 µm*, 5 µm 1.7 µm*, 2.6 µm*, 5 µm
1110100 Silica gel for chromatography, octadecylsilyl R1 ultrapure silica (<20 ppm metals), pore size and C-load are indicated in the method.	<b>Kinetex C18</b> <b>Kinetex XB-C18</b>	1.3 µm*, 1.7 µm*, 2.6 µm*, 5 µm 1.7 µm*, 2.6 µm*, 5 µm
1077600 Silica gel for chromatography, octadecylsilyl, base-deactivated pretreated before the bonding by careful washing and hydrolyzing most of the superficial siloxane bridges to minimize the interaction with basic components.	<b>Kinetex C18</b> <b>Kinetex XB-C18</b>	1.3 µm*, 1.7 µm*, 2.6 µm*, 5 µm 1.7 µm*, 2.6 µm*, 5 µm
1115400 Silica gel for chromatography, octadecylsilyl, endcapped. To minimize any interaction with basic compounds it's carefully endcapped to cover most of the remaining silanol groups.	<b>Kinetex C18</b> <b>Kinetex XB-C18</b>	1.3 µm*, 1.7 µm*, 2.6 µm*, 5 µm 1.7 µm*, 2.6 µm*, 5 µm

\* Available particle sizes that may be used if within allowable Ph. Eur. adjustments

\*\*According to European Pharmacopeia (Ph. Eur.) Chapter 4.1.1.

# Kinetex® Column Selection by Ph. Eur. Classification

Ph. Eur. Number & Description**	Phase	Particle Sizes
1162600 Silica gel for chromatography, octadecylsilyl, endcapped, base-deactivated R1; pretreated before the bonding by careful washing and hydrolyzing most of the superficial siloxane bridges. To further minimize any interaction with basic compounds it's carefully endcapped to cover most of the remaining silanol groups.	<b>Kinetex C18</b> <b>Kinetex XB-C18</b>	1.3 µm*, 1.7 µm*, 2.6 µm*, 5 µm 1.7 µm*, 2.6 µm*, 5 µm
1077700 Silica gel for chromatography, octylsilyl.	<b>Kinetex C8</b>	1.7 µm*, 2.6 µm*
1077701 Silica gel for chromatography, octylsilyl R1. Bonding of octylsilyl and methyl groups (double bonded phase).	<b>Kinetex C8</b>	1.7 µm*, 2.6 µm*
1131600 Silica gel for chromatography, octylsilyl, base-deactivated pretreated before the bonding by careful washing and hydrolyzing most of the superficial siloxane bridges to minimize the interaction with basic components.	<b>Kinetex C8</b>	1.7 µm*, 2.6 µm*
1119600 Silica gel for chromatography, octylsilyl, endcapped. To minimize any interaction with basic compounds it's carefully endcapped to cover most of the remaining silanol groups.	<b>Kinetex C8</b>	1.7 µm*, 2.6 µm*

\* Available particle sizes that may be used if within allowable Ph. Eur. adjustments

\*\*According to European Pharmacopeia (Ph. Eur.) Chapter 4.1.1.

# Kinetex® Column Selection by Ph. Eur. Classification

Ph. Eur. Number & Description**	Phase	Particle Sizes
1148800 Silica gel for chromatography, octylsilyl, endcapped, base-deactivated pretreated before the bonding by careful washing and hydrolyzing most of the superficial siloxane bridges to minimize the interaction with basic components. To further minimize any interaction with basic compounds it's carefully endcapped to cover most of the remaining silanols.	<b>Kinetex C8</b>	1.7 µm*, 2.6 µm*
1153900 Silica gel for chromatography, phenylhexylsilyl.	<b>Kinetex Phenyl-Hexyl</b>	1.7 µm*, 2.6 µm*, 5 µm
1170600 Silica gel for chromatography, phenylhexylsilyl, endcapped. 3 µm; To minimize any interaction with basic compounds it's carefully endcapped to cover most of the remaining silanol groups.	<b>Kinetex Phenyl-Hexyl</b>	1.7 µm*, 2.6 µm*, 5 µm*
1110200 Silica gel for chromatography, phenylsilyl.	<b>Kinetex Phenyl-Hexyl</b>	1.7 µm*, 2.6 µm*, 5 µm
1154900 Silica gel for chromatography, phenylsilyl, endcapped. To minimize any interaction with basic compounds it's carefully endcapped to cover most of the remaining silanol groups.	<b>Kinetex Phenyl-Hexyl</b>	1.7 µm*, 2.6 µm*, 5 µm

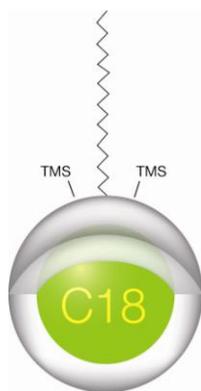
\* Available particle sizes that may be used if within allowable Ph. Eur. adjustments

\*\*According to European Pharmacopeia (Ph. Eur.) Chapter 4.1.1.

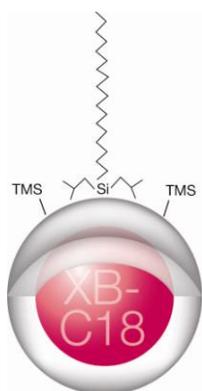


 Phenomenex products are available worldwide.

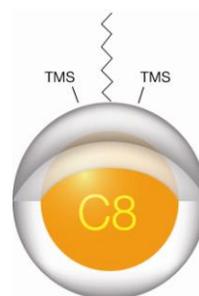
# Kinetex® Selectivities



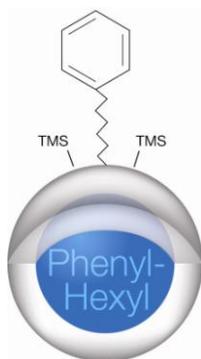
Balanced C18 phase that provides the highest degree of hydrophobic selectivity relative to the other Kinetex phases



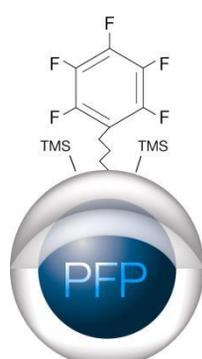
This unique C18 phase yields increased hydrogen bonding with hydrophobic selectivity, resulting in improved peak shape for basic compounds and increased retention of acidic compounds



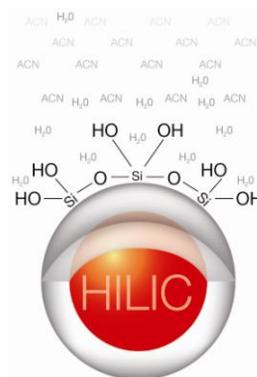
Moderate hydrophobic and steric selectivity is offered, bringing ultra-high performance to USP L7 and other octyl silane methods



Aromatic and moderate hydrophobic selectivity results in the great retention and separation of aromatic hydrocarbons



Pentafluorophenyl phase offers a high degree of steric interactions for improved separation of structural isomers, and the electronegative fluorine groups can offer increased retention of polar basic compounds



Used under HILIC running conditions, this phase provides the highest polar selectivity for retention and separation of hydrophilic compounds