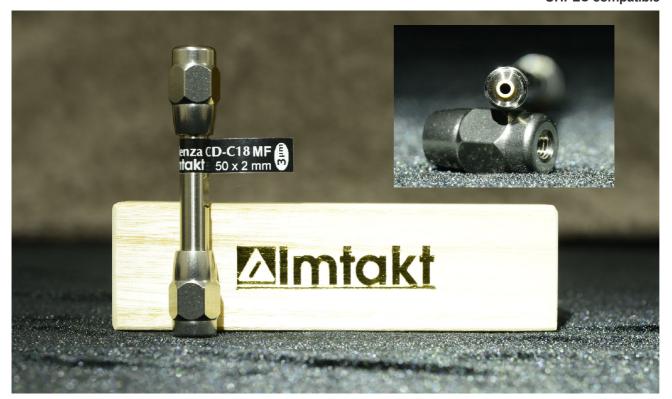
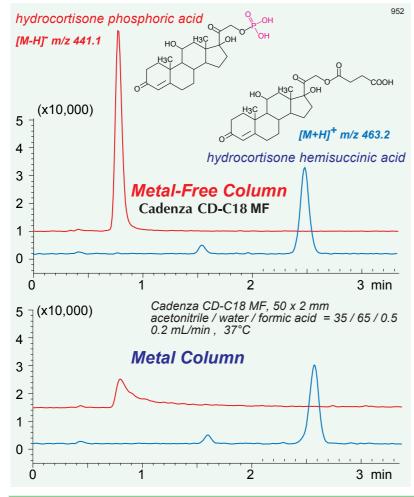
HPLC COLUMN IMTAKT

Improving peak shape for chelating or phosphoric compounds

METAL-FREE COLUMN

2 mm I.D. 30-250 mm Length PEEK / SS316 UHPLC compatible





Metal-free (PEEK) internal structure UHPLC compatible metal housing Ideal for chelating compounds Ideal for phosphoric compounds LC-MS compatible 2mm I.D. Wide selection of stationary phases

This metal-free column is an Imtakt original design.

The entire internal surface of these columns are made with PEEK material, including the frits, and is therefore extremely inert with respect to chelating compounds.

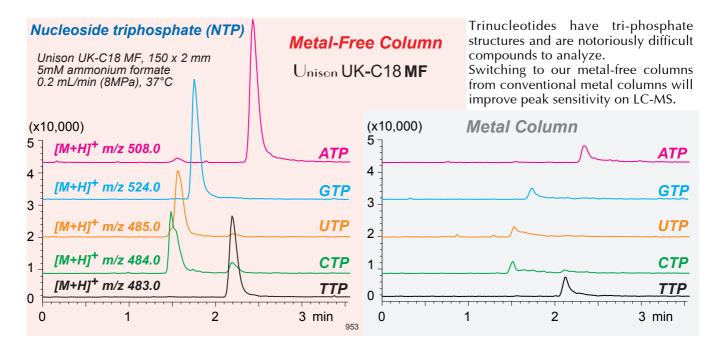
The outer portion of these columns are made from stainless steel (SS316) making them suitable for extremely high pressures, and are UHPLC compatible.

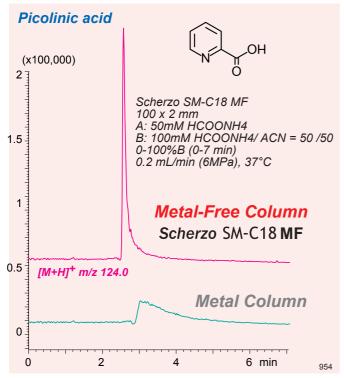
Phosphoric compounds can interact with the exposed metal surfaces within the column causing peak tailing, as seen in the figure to the left.

Our metal-free columns are designed to specifically improve these poor peak shapes by decreasing unwanted secondary chelating effects.

🎵 Improving peak shape of chelating or phosphoric compounds

Chelating and phosphoric compounds often have difficulty with poor peak shape and/or sensitivity due to undesired interaction between metal parts in the column and the structure of these compounds. Our UHPLC compatible metal-free columns, which are an Imtakt original design, will improve these problems and are available in a wide range of stationary phases.





It is known that picolinic acid has chelating interactions with metal. Instead of a metal column which shows extreme tailing and poor peak shape, our metal-free column will generate a much better peak shape.

IMTAKT METAL-FREE	COL	UMNS
I.D.: 2 mm, LENGTH: 30, 50, 75	, 100, 15	
PRODUCT NAME	PARTICLE	MAX. PRESSURE
Cadenza CD-C18 MF	Зμт	50MPa
Cadenza CL-C18 MF	Зμт	50MPa
Cadenza HS-C18MF	Зμт	25MPa
Cadenza CW-C18MF	3µт	25MPa
Unison UK-C18 MF	3µт	50MPa
Unison UK-C8 MF	Зμт	50MPa
Unison UK-Phenyl MF	Зμт	50MPa
Unison UK-Silica MF	3µт	50MPa
Unison UK-Amino MF	Зμт	50MPa
Scherzo SS-C18 MF	Зμт	25MPa
Scherzo SM-C18MF	Зμт	25MPa
Scherzo SW-C18MF	Зμт	25MPa
Dacapo DX-C18 mf	2.5µm	50MPa
Presto FF-C18 MF	2µm	50MPa
Intrada WP-RPMF	Зμт	25MPa

