

# HPLC Application

ID No.: 27376

## 2023 MSACL poster TIC negative mode

**Column:** Kinetex® 2.6 µm C18 100 Å, LC Column 50 x 3 mm, Ea

**Dimensions:** 50 x 3 mm ID

**Order No:** 00B-4462-Y0

**Elution Type:** Gradient

**Eluent A:** 0.5 mM NH<sub>4</sub>F (aq)

**Eluent B:** MeOH

<b>Gradient Profile:</b>	<b>Step No.</b>	<b>Time (min)</b>	<b>Pct A</b>	<b>Pct B</b>
	<b>1</b>	0	60	40
	<b>10</b>	5	5	95
	<b>11</b>	6	5	95
	<b>12</b>	6.5	60	40
	<b>13</b>	8	60	40
	<b>8</b>	2	50	50
	<b>9</b>	4.5	25	75

**Flow Rate:** 800 µL/min

**Col. Temp.:** 30 °C

**Detection:** LC/MS/MS @ (700 °C)



Products used in this application:



## ANALYTES:



# Sample Preparation Details

for HPLC Application ID No.: 27376

## 2023 MSACL poster TIC negative mode

### PRODUCT DESCRIPTION:

Strata™-X 33 µm Polymeric Reversed Phase, 30 mg / well, 96-Well Plates , 2/Pk

Order No.: 8E-S100-TGB

### SOLID PHASE EXTRACTION (SPE) PROCEDURE:

**Note:** The solvent volumes shown below are for a bed mass.

The solvent volumes will need to be adjusted for a smaller or larger bed mass.

#### Condition:

---

#### Load:

---

#### Wash:

---

#### Dry:

---

#### Elute:

---

#### Final Prep and Analysis:

---

Dilute 500 µL serum sample with 500 µL 1% FA.

Inject: 5 µL on HPLC LC/MS/MS @ (700°C)

<b>ANALYTES:</b>	<b>Spiked Conc. (ng/mL)</b>	<b>Log P</b>	<b>pKa</b>	<b>% Rec</b>	<b>%RSC (n=0)</b>
------------------	---------------------------------	--------------	------------	--------------	-----------------------

**Note:** This method is designed as a convenient starting point for further investigation and can be tailored to meet your extraction goals.  
Call your local Phenomenex Representative for assistance in method development and optimization techniques.

©2025 Phenomenex Inc. All rights reserved.

For more information contact your Phenomenex Representative at support@phenomenex.com



Phenomenex products are available worldwide.

[www.phenomenex.com](http://www.phenomenex.com)

[support@phenomenex.com](mailto:support@phenomenex.com)