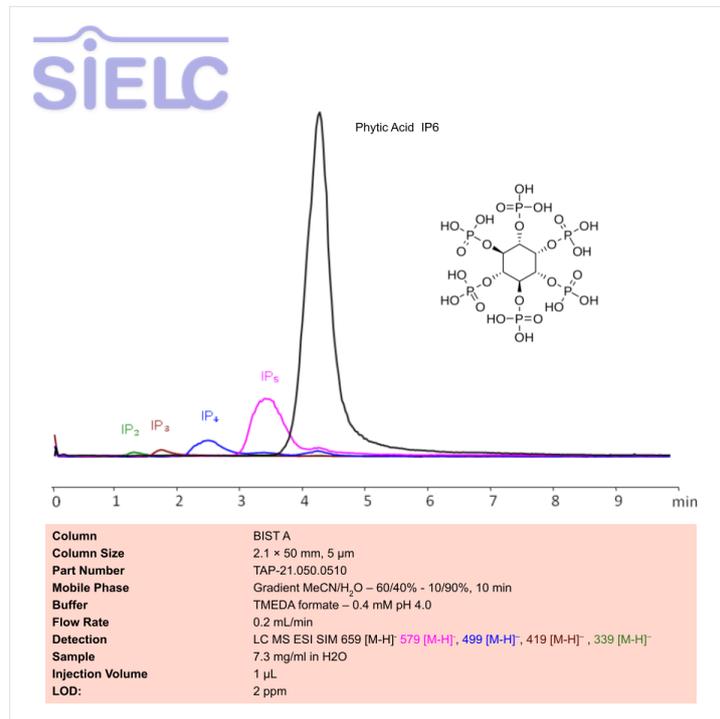


## HPLC MS Method for Analysis of Phytic Acid on BIST A Column



### High Performance Liquid Chromatography (HPLC) Method for Analysis of Phytic Acid

Phytic Acid, also known as inositol hexaphosphate, inositol hexakisphosphate (IP6), AND inositol polyphosphate is a dihydrogenphosphate ester of inositol with the molecular formula C<sub>6</sub>H<sub>18</sub>O<sub>24</sub>P<sub>6</sub>. It is also known as a phosphorus-storage compounds primarily found in nuts, seeds, and whole grains. It serves as a way for plants to store phosphorus. When broken down in the body, it binds to chelates.

Phytic Acid can be retained and analyzed using the BIST A stationary phase column. The analysis utilizes a gradient method with a simple mobile phase consisting of water and acetonitrile (MeCN). Detection is performed using UV.

### Method Parameters

<b>Column</b>	BIST A, 2.1 x 50 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	Gradient MeCN – 60/40% – 10/90%, 10 min
<b>Buffer</b>	TMEDA formate
<b>Flow Rate</b>	0.2 mL/min
<b>Detection</b>	LC MS ESI SIM

Quelle: <https://sielc.com/hplc-method-for-analysis-of-phytic-acid>