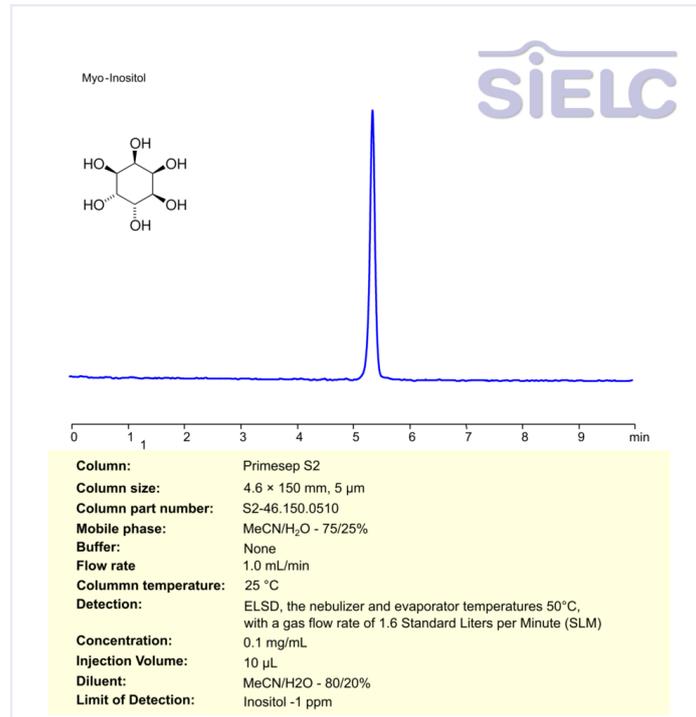


## HPLC Method for Determination of Myo-Inositol on Primesep S2 Column



Separation type: Liquid Chromatography HILIC

Used in the treatment of polycystic ovary syndrome (PCOS), neurological conditions, and as a dietary supplement for metabolic and reproductive health.

The myo-inositol can be effectively retained using a mixed-mode Primesep S2 column with a mobile phase consisting of 80% acetonitrile (MeCN), without the need for a buffer. This method offers high resolution and excellent peak symmetry, enabling accurate quantification of all three analytes. Detection is performed using ELSD (Evaporative Light Scattering Detection), which provides reliable sensitivity for non-UV-active or weakly absorbing compounds.

### Method Parameters

<b>Column</b>	Primesep S2, 4,6 x 150 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN75%
<b>Buffer</b>	none
<b>Flow Rate</b>	1.0 mL/min
<b>Detection</b>	ELSD, the nebulizer and evaporator temperatures 50°C, with a gas flow rate of 1.6 Standard Liters per Minute (SLM)

Quelle: <https://sielc.com/hplc-method-inositol>