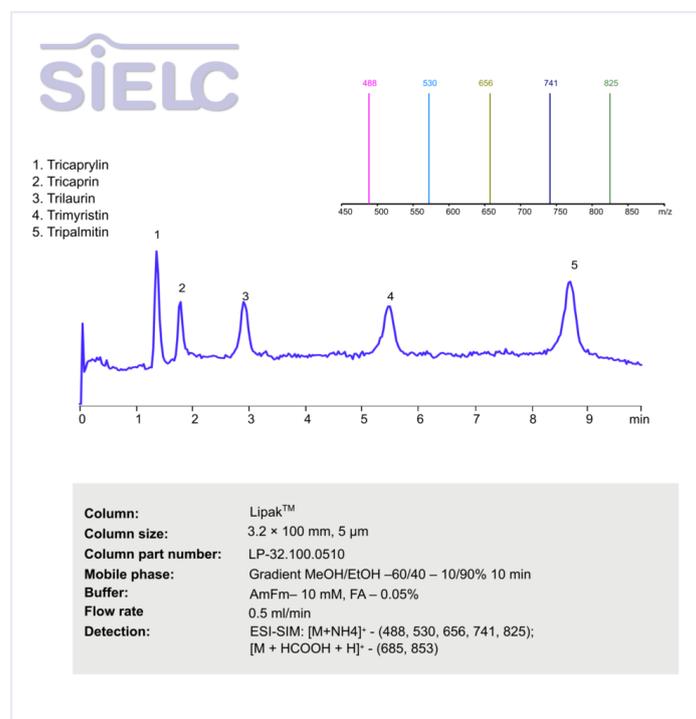


HPLC-MS Method for Analysis of Lipid Standards: Triglyceride Mixtures on Lipak Column



Series of triglycerides, which are esters derived from glycerol and three fatty acids.

Tricaprylin , Tricaprin , Trimyristin , Trilaurin , Tripalmitin can be retained, and analyzed using a Lipak mixed-mode stationary phase column. The analysis utilizes an gradient method with a mobile phase consisting of methanol (MeOH), ethanol (EtOH), ammonium formate and formic acid as a buffer. Detection is achieved using LC MS.

Method Parameters

Column	Lipak, 3.2 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	Gradient MeOH/EtOH – 60/40-10/90% in 10 min
Buffer	AmFm– 10 mM, FA – 0.05%
Flow Rate	0.5 mL/min
Detection	ESI-SIM: [M+NH4] ⁺ – (488, 530, 656, 741, 825); [M + HCOOH + H] ⁺ – (685, 853)

Quelle: <https://sielc.com/hplc-method-for-analysis-triglyceride>