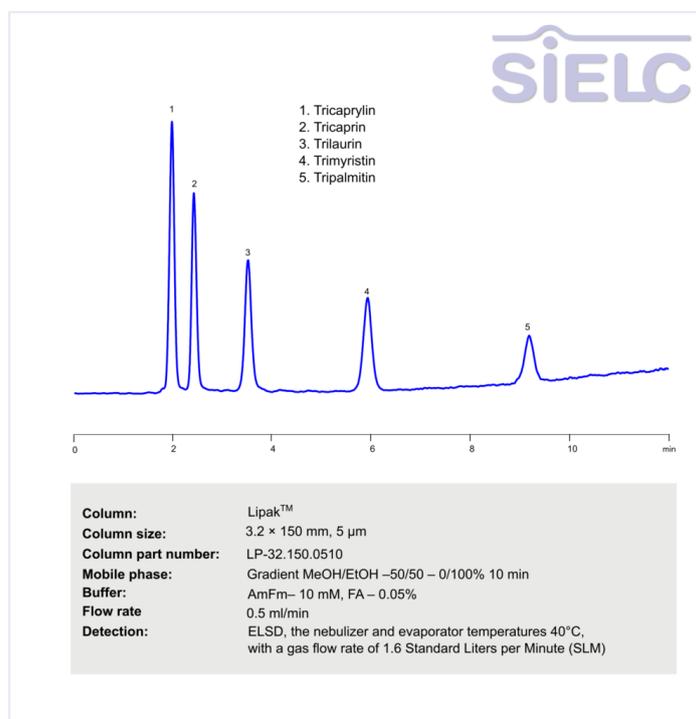


HPLC-ELSD Method for Analysis of Lipid Standards: Triglyceride Mixtures on Lipak Column



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

Tricaprylin , Tricaprin , Trilaurin , Trimyristin , 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 ELSD.

Method Parameters

Column	Lipak, 3.2 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	Gradient MeOH/EtOH – 50/50-0/100% in 10 min
Buffer	AmFm– 10 mM, FA – 0.05%
Flow Rate	0.5 mL/min
Detection	ELSD, the nebulizer and evaporator temperatures 40°C, with a gas flow rate of 1.6 Standard Liters per Minute (SLM)

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