https://www.biotech.uniri.hr/hr/projekti.html

Hrvatska zaklada za znanost

Sepsis is a serious medical crisis caused by a severe systemic inflammatory response to infection, which often results in **organ dysfunction** and may lead to **septic shock** or **death**.

Sepsis

Aim: Find physiological modifiers that influence phenotypes and outcomes of systemic inflammation

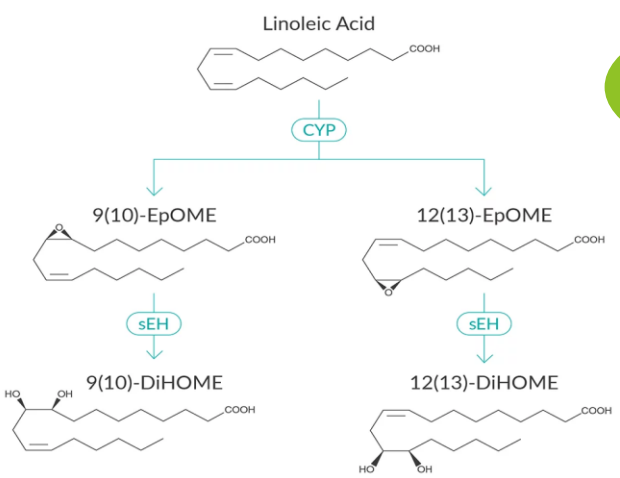
Diet-derived eicosanoids and phenotypes in sepsis

HRZZ projekt UIP-2020-02-2476

Hypothesis: polyunsaturated fatty acid (PUFA) status (determined by dietary intake) potently regulates responses to infection and may directly affect outcomes in sepsis.

Diet PUFA content → Plasma EICOSANOIDS content → Phenotype → Outcome

Figure 1. Synapt G2-S



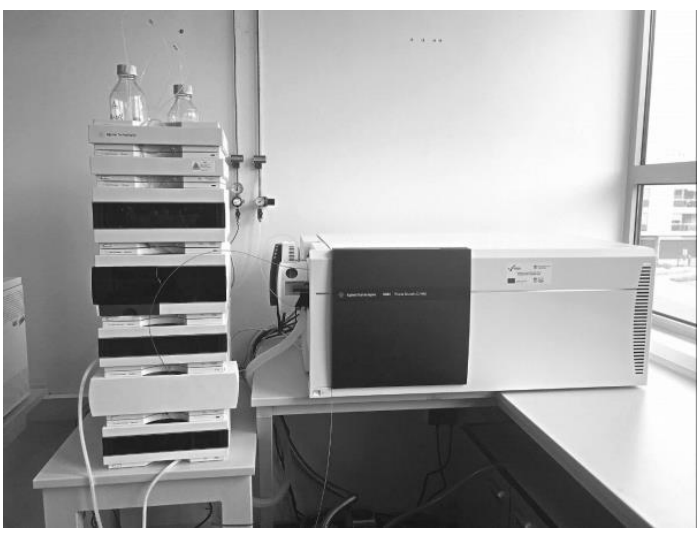


Figure 2. LC-QQQ

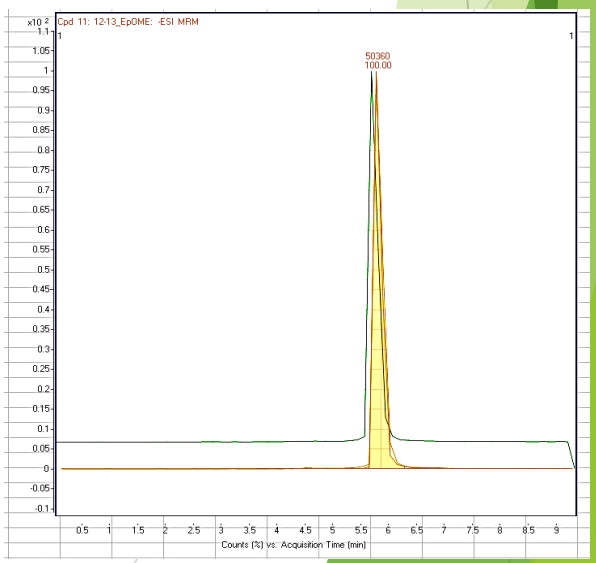


Figure 3. Chromatogram -12,13-EpOME