

Apparatus

HPLC system **10 AVP** by SHIMADZU (degasser GT-154, system control unit SCL-10AVP, 2x pump LC-10AVP, oven CTO-10ASVP, PDA detector SPD-M10AVP, control software Class-VP 5.02), column 2x100x4.6 mm, Onyx C18, monolithic, particle size: 13 nm mesopores, 2 µm macropores.

OPERATING SEQUENCE

Analysis of sample 5-GMP

1. Chromatographic analysis of solution sample input 5-GMP.

Analysis of standards

1. Chromatographic analysis of 5-GMP standard solution.
2. Chromatographic analysis of 2-GMP standard solution.
3. Chromatographic analysis of 3-GMP standard solution.

Identification of components, quantification and ballast amount determination

1. Identification of individual sample components using retention times and UV-Vis spectra library.
2. Using chosen calibration method, determination of percentage ballasts amount.
3. Based on obtained data, determination of suitability synthesis input.
4. Comments to results as to analytical approach.