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## HPLC assay when analyzing polypeptide and polycyclic antibiotics

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### Abstract

According to studied published sources, today, high performance liquid chromatography (HPLC) has a key role in controlling the quality of medicinal products due to a number of advantages in the analysis of complex mixtures as well as its high precision. The method proposed by the author provides a reliable and reproducible way of quantification of the main substances when analyzing polypeptide and polycyclic antibiotics. The method has allowed to achieve the following: good separation of the main substances of more than 3, main peak asymmetry of about 1.0, the number of theoretical plates of more than 5000. Selected chromatographic conditions allow to reduce the duration of the experiment as well as the method's error.