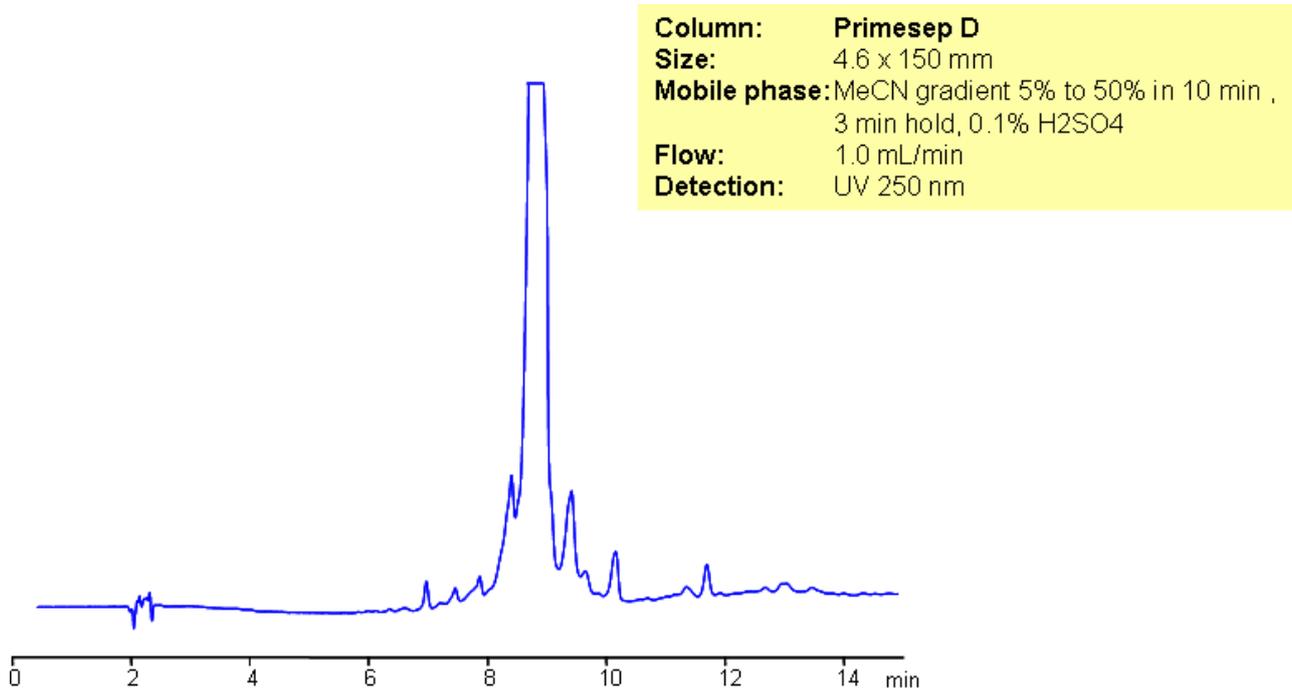


Analysis of Antibiotic Josamycin and Related Impurities on Primesep D Column



Josamycin is a macrolide antibiotic effective against gram-positive bacteria. It is highly polar and does not retain well on reversed-phase columns. The Mixed-mode column Obelisc R was used to retain josamycin and its related impurities. Primesep D was also used to analyze josamycin impurities because Primesep D does not retain high-molecular weight plasma components. This method is compatible with LC/MS, prep chromatography and can be used for analysis of josamycin in biofluids.

Method Parameters

Column	Primesep D, 4.6x150 mm, 5 µm, 100 Å
Mobile Phase	Gradient MeCN – 5-50%, 10 min, 3 min hold
Buffer	H2SO4 – 0.1%
Flow Rate	1.0 mL/min
Detection	UV, 250 nm

Quelle:

https://sielc.com/Analysis_of_Antibiotic_Josamycin_and_Related_Impurities_in_Mixed-Mode_Chromatography