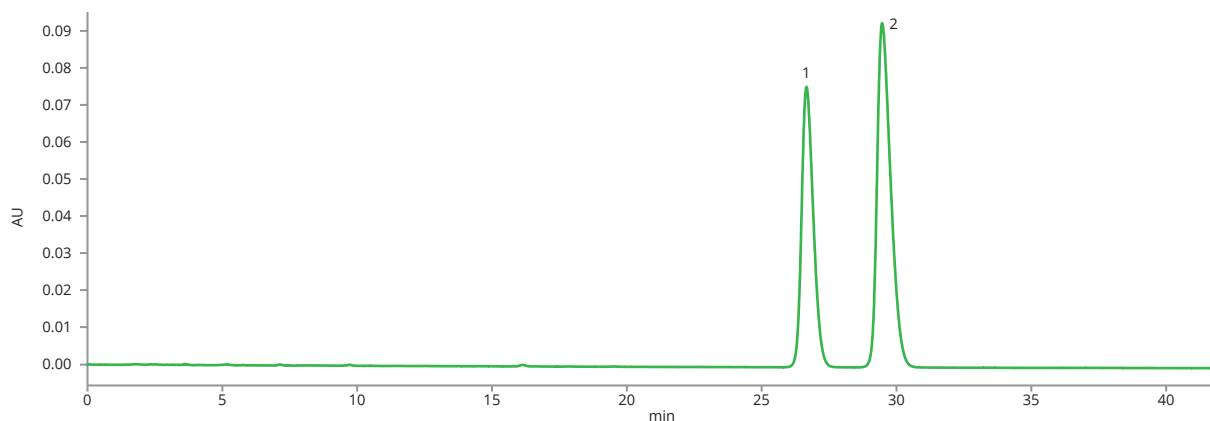


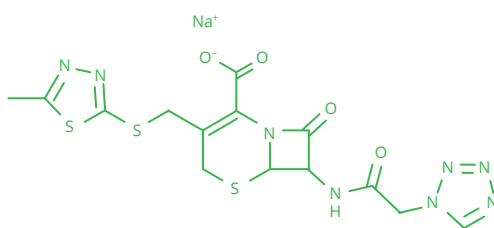
## Cefazolin Sodium

Cephalosporin antibiotic cefazolin sodium is widely used in medicine practice. ARION® Polar C18 column provides perfect resolution factor and peaks symmetry according to the pharmacopoeial method for determination of cefazolin sodium.

<b>Substance</b>	Cefazolin sodium, CAS number 27164-46-1
<b>Synonym</b>	Cefazolin



Reference solution (b) on ARION® column



Cefazolin sodium



## Cefazolin Sodium

<b>Column</b>	ARION® Polar C18, 5.0 µm
<b>Dimensions</b>	250 mm × 4.6 mm
<b>Part number</b>	ARI-5721-LM46
<b>Mobile phase</b>	A: ACN B: 2.77 g/L disodium hydrogen phosphate dodecahydrate + 1.86 g/L citric acid monohydrate A : B 10/90 (v/v) Isocratic elution
<b>Reference solution (a)</b>	Dissolve 50.0 mg of cefazolin CRS in the mobile phase and dilute to 50.0 mL with the mobile phase
<b>Reference solution (b)</b>	Dissolve 5.0 mg of cefuroxime sodium CRS in 10.0 mL of reference solution (a) and dilute to 100.0 mL with the mobile phase
<b>System suitability</b>	Resolution: minimum 2.0 between the peaks due to cefazolin and cefuroxime in the chromatogram obtained with reference solution (b)
<b>Flow rate</b>	1.0 mL/min
<b>Detection</b>	UV at 270 nm
<b>Injection volume</b>	20 µL
<b>Analytes</b>	<b>1. Cefuroxim</b> <b>2. Cefazolin</b>