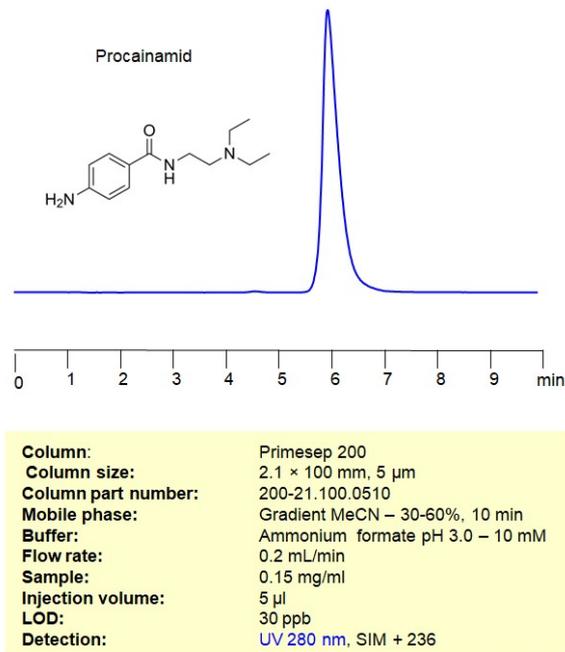


HPLC MS Method for Analysis of Procainamide on Primesep 200 Column



Separation type: Liquid Chromatography Mixed-mode SIELC Technologies

Procainamide is a medication that belongs to the class of antiarrhythmic drugs. It is used to treat certain types of irregular heartbeats (arrhythmias), particularly those associated with atrial and ventricular fibrillation or atrial flutter. Procainamide works by stabilizing the heart's electrical activity and helping to restore a normal rhythm.

Procainamide blocks sodium channels in the heart, which helps to slow down the conduction of electrical impulses. By doing so, it can prevent abnormal electrical activity in the heart.

Procainamide can be retained and analyzed using a Primesep 200 mixed-mode stationary phase column. The analysis employs an isocratic method with a simple mobile phase comprising water, acetonitrile (MeCN), and ammonium formate as a buffer. This method allows for detection using UV at 280 nm

Method Parameters

Column	Primesep 200, 2.1 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	Gradient MeCN30-60%, 10 min
Buffer	AmFm pH 3.0 – 10 mM
Flow Rate	0.2 mL/min
Detection	UV 280 nm, SIM + 236
Injection Volume	5 µl

Quelle: <https://sielc.com/hplc-ms-method-for-analysis-procainamide>