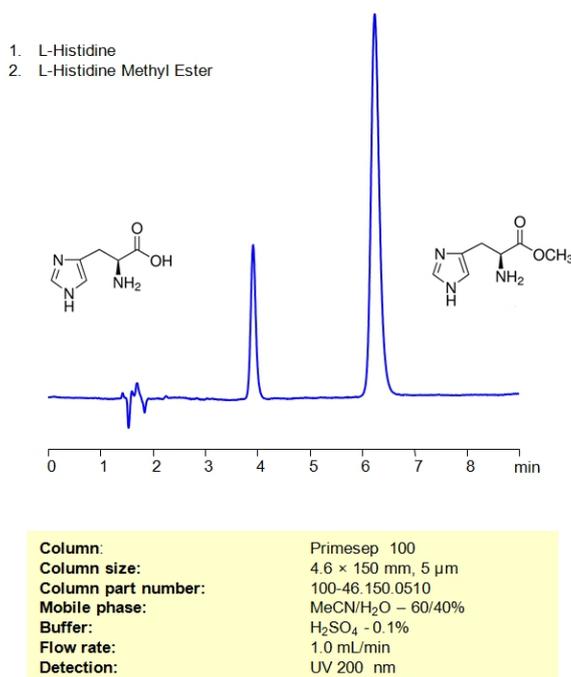


HPLC Method For Analysis Of Histidine and Histidine Methyl Ester Dihydrochloride on Primesep 100 Column



Separation type: Liquid Chromatography Mixed-mode

High Performance Liquid Chromatography (HPLC) Method for Analysis of Histidine and Histidine Methyl Ester Dihydrochloride

Histidine and Histidine Methyl Ester Dihydrochloride are related compounds with interesting uses. Histidine is used in biosynthesis to create proteins, while histidine methyl ester dihydrochloride (a derivative of histidine) is used to create various other compounds. This amino acid and its derivative can be detected in the low UV regime. Using a Primesep 100 mixed-mode column and a mobile phase consisting of water and acetonitrile (MeCN) with a sulfuric acid (H₂SO₄) buffer, Histidine and Histidine Methyl Ester Dihydrochloride can be retained, separated, and analyzed. This analysis method can be UV detected at 200 nm.

Method Parameters

Column	Primesep 100, 4.6×150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H ₂ O – 60/40%
Buffer	H ₂ SO ₄ – 0.1%
Flow Rate	1.0 mL/min
Detection	UV, 200 nm

Quelle: <https://sielc.com/l-histidine-and-l-histidine-methyl-ester-dihydrochloride>