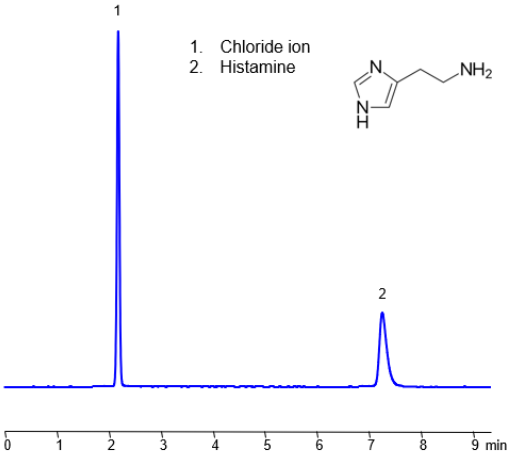
HPLC Method for Determination of Histamine on BIST A+ Column by SIELC Technologies



Column:	BIST™ A+
Size:	4.6 × 150mm, 5 µm
Column part number:	TAP-46.150.0510
Mobile phase:	MeCN/H2O – 70/30%
Buffer:	Ammonium Formate – 20 mM
Flow:	1.0 mL/min
Detection:	ELSD, 50ºC

Histamine dihydrochloride , also known as Ceplene , is a medication with the chemical formula C5H11Cl2N3 . It is used primarily to prevent a relapse of acute myeloid leukemia. Other pharmaceutical applications include as a topical analgesic to treat arthritis, aches, bruises, sprains, and strains. Brand names it is sold under include Australian Dream and Alo.

Histamine dihydrochloride can be detected in the low UV regime. Using a BIST A+ column and a mobile phase consisting of water and Acetonitrile (MeCN) with an ammonium formate (AmFm) buffer, Histamine chloride can be retained, separated, and analyzed. This analysis method can be detected and is compatible with Mass Spectrometry (MS), ELSD, and CAD.

Method Parameters

Column	BIST A+, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 70%
Buffer	Ammonium Formate pH 3.0 – 20 mM
Flow Rate	1.0 mL/min
Detection	ELSD, 50C

Quelle: https://sielc.com/hplc-method-for-determination-of-histamine