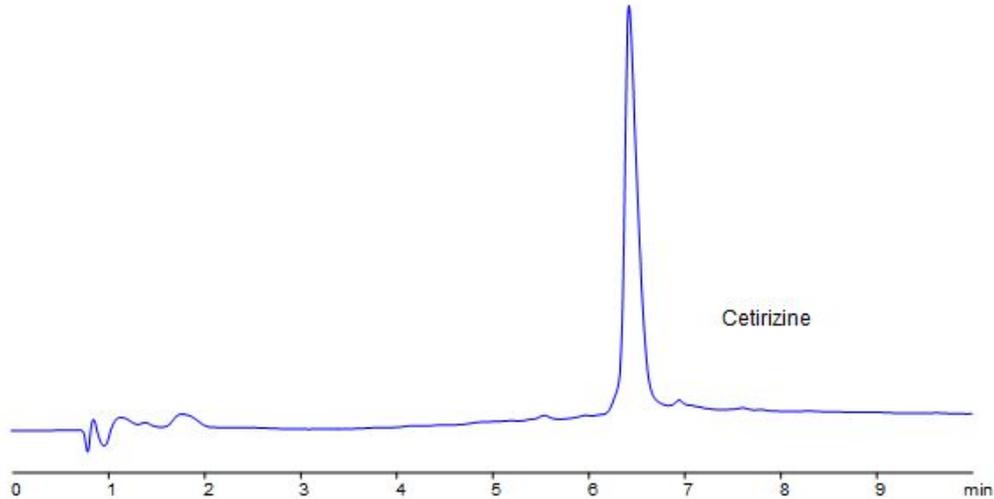


HPLC Method for Analysis of Cetirizine

Column: Primesep 200
Size: 3.2 x 100 mm
Mobile phase: MeCN gradient from 30% to 65% in 5 min, 4 min hold,
H3PO4 gradient 0.05% to 0.3% in 5 min, 4 min hold
Detection: UV 270 nm
Injection: 50 μ L



Cetirizine is a member of the diphenylmethylpiperazine group of antihistamines and it contains L- and D-stereoisomers. The drug is a major metabolite of hydroxyzine, and a racemic selective H1 receptor antagonist. In general use, it treatments of hay fever, allergy symptoms (crying, itching, sneezing, etc.), and angioedema. Primesep 200, a reverse phase column, contains embedded acidic ionizable groups and can retain Cetirizine. The method is UV compatible and can be used as a general approach for analyzing similar compounds.

Method Parameters

Column	Primesep 200, 3.2x100 mm, 5 μ m, 100 Å
Mobile Phase	Gradient MeCN – 5-50%
Buffer	Gradient H3PO4 – 0.05-0.3%, 5 min, 4 min hold
Flow Rate	0.5 mL/min
Detection	UV, 270 nm

Quelle: <https://sielc.com/HPLC-Method-Analysis-Cetirizine>