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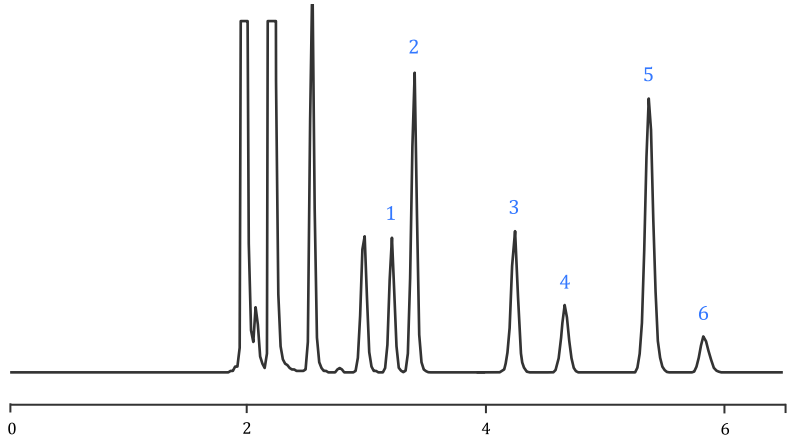
Simultaneous Specific Determination of Six Antihistamine Drugs Using Isocratic HPLC-UV

The method is intended for the highly selective determination of six anti-histamine drugs in various pharmaceutical and biological samples using simple isocratic 400 bar HPLC system with a conventional UV detector.

The method is capable to determine antihistamines in complex matrices that contain any neutral or acidic matrix compounds, as well as various basic compounds like drotaverine, dextro-methorphan, phenylephrine, etc.

Chromatogram

Figure 1. Specific determination of six antihistamines. Sample: mixture of six medications; each of them contains one of the analytes. Detection: UV 260 nm.



Analytes

1. Cetirizine, **2.** Chloropyramine, **3.** Chlorpheniramine, **4.** Pheniramine, **5.** Desloratadine, **6.** Doxylamine