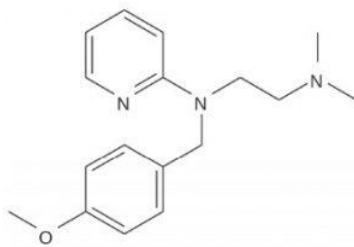
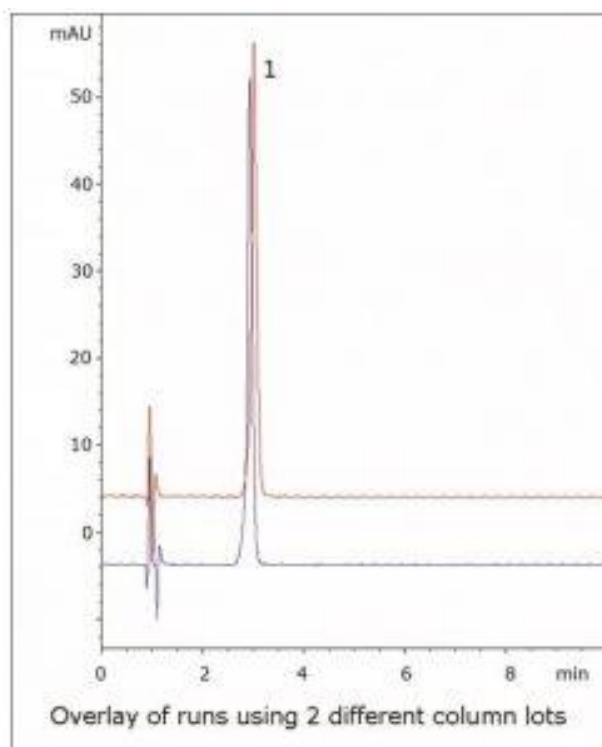


## Pyrilamine Maleate Analyzed by HPLC - AppNote

### Separation of Pyrilamine with a Simple Isocratic Method

Pyrilamine is a challenging compound to analyze by HPLC because it contains several amine groups that can contribute to peak tailing. In this Method, an excellent Peak shape is obtained for Pyrilamine with a simple isocratic Mobile Phase. Data is shown for two lots of Columns in order to demonstrate the robustness and precision of this Method.

The Method is rapid, robust, and suitable for routine Assay of Pyrilamine formulations. The data shown here used a USP reference standard of Pyrilamine Maleate but the conditions can be applied to a variety of formulation extracts.



**Peak:**  
Pyrilamine

### Method Conditions

**Column:** Cogent Diamond Hydride™, 4µm, 100Å

**Catalog No.:** 70000-7.5P

**Dimensions:** 4.6 x 75mm

**Mobile Phase:** 8% DI Water / 92% Acetonitrile / 0.1% Trifluoroacetic Acid (TFA) v/v

**Injection vol.:** 2µL

**Flow rate:** 1.0mL / minute

**Detection:** UV @ 244nm

**Sample Preparation:** 100mg / L Pyrilamine Maleate in diluent of 50:50:0.1 DI Water (v/v) / Acetonitrile/ Trifluoroacetic Acid (TFA)

**t<sub>o</sub>:** 0.9 minutes

---

**Note:** *Pyrilamine (also known as Mepyramine) is a first generation antihistamine. It is found in many common over-the-counter oral and topical formulations with a variety of uses.*

---



**Attachment No 201 Pyrilamine Maleate Analyzed by HPLC pdf** 0.5 Mb [Download File](#)

Printed from the Chrom Resource Center

Copyright 2025, All Rights Apply

**MicroSolv Technology Corporation**

9158 Industrial Blvd. NE, Leland, NC 28451

Tel: (732) 380-8900

Fax: (910) 769-9435

Email: [customers@mtc-usa.com](mailto:customers@mtc-usa.com)

Website: [www.mtc-usa.com](http://www.mtc-usa.com)