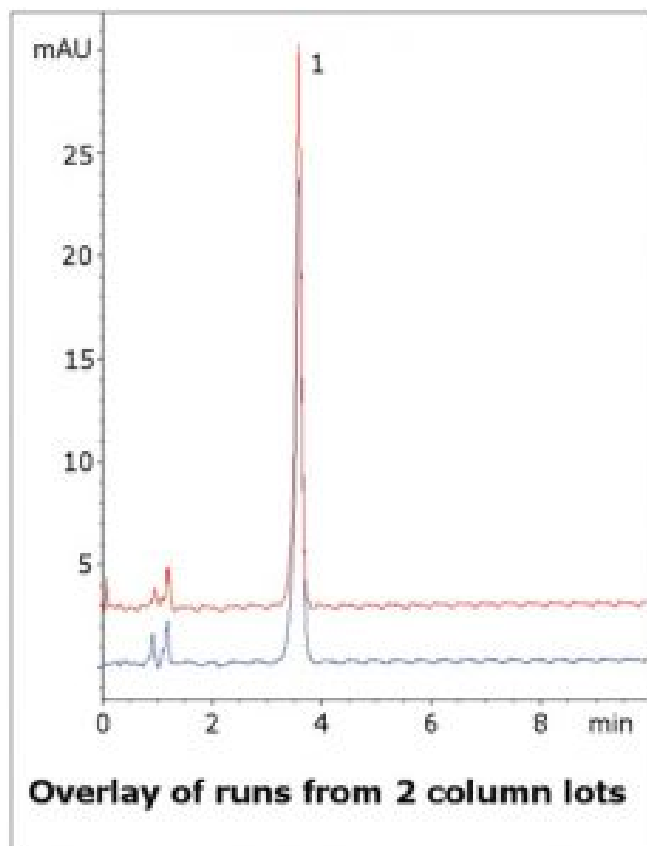


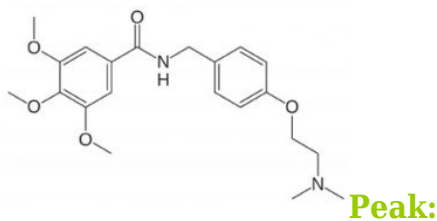
Trimethobenzamide Analyzed by HPLC - AppNote

Separation of Trimethobenzamide with a Simple Isocratic Method

The USP Assay Method of Trimethobenzamide is performed by titration. This alternative HPLC approach is fast, easy, and reliable. It has many advantages over the titration Method, including ease of automation and less operator-dependent results.

This simple isocratic Method provides sufficient Retention of the API to allow for Separation from other matrix components yet still is fast enough for high throughput of samples. Data from two Column lots shown in the figure illustrates the reproducibility of the Method and its robustness.





Trimethobenzamide

Method Conditions

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

Catalog No.: 70000-7.5P

Dimensions: 4.6 x 75mm

Mobile Phase: 5% DI Water / 95% Acetonitrile / 0.1% (v/v) Trifluoroacetic Acid (TFA)

Injection vol.: 1µL

Flow rate: 1.0mL / minute

Detection: UV @ 215nm

Sample Preparation: 1mg Trimethobenzamide USP reference standard was dissolved in 1mL of 50:50:0.1 (v/v) DI Water / Acetonitrile / Trifluoroacetic Acid. This stock solution was diluted 1:10 for HPLC injections using the same diluent.

t₀: 0.9 minutes

Note: Trimethobenzamide is an antiemetic used to treat nausea and vomiting that may occur after surgery or from gastroenteritis. It is sold under the trade names Tebamide® and Tigan®.



Attachment

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