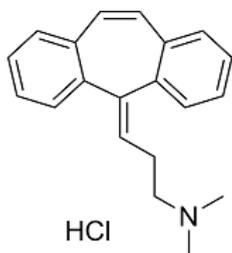
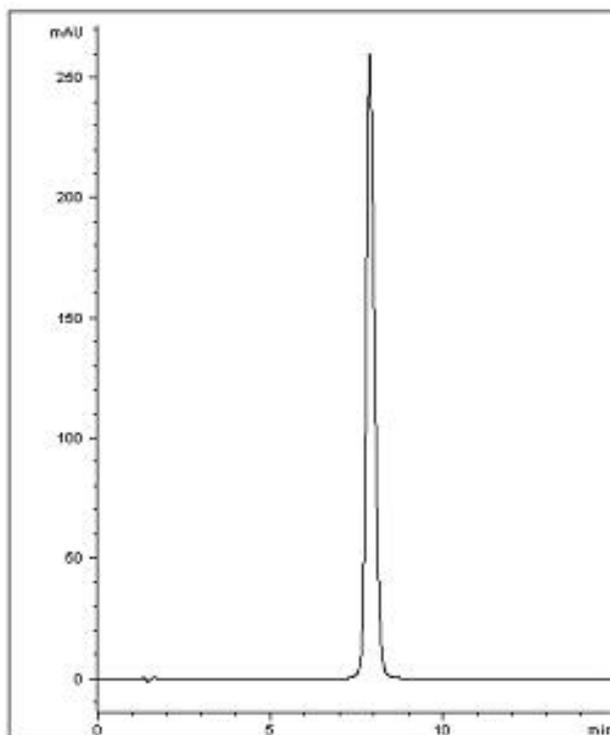


## Cyclobenzaprine Hydrochloride USP Assay - AppNote

This method demonstrates the USP Cyclobenzaprine Hydrochloride Extended-Release Capsules Assay.

As shown in the Chromatograms, the peak efficiency is superb and USP peak tailing guidelines are easily met with the Cogent RP C18 5µm column. This demonstrates a great alternative column for easy plug and play and this UPS Assay Method.



Cyclobenzaprine hydrochloride

### Method Conditions:

**Column:** Cogent RP C18™, 5 µm, 100Å

**Catalog No.:** [68518-15P](#)

**Dimensions:** 4.6 x 150 mm

**Buffer:** Add 3.7 mL of Methanesulfonic Acid per 1 L of Water and adjust with Diethylamine to a pH of 3.6

**Mobile Phase:** Acetonitrile, Methanol, and Buffer (25.5:21.0:53.5)

**Injection vol.:** 20 µL

**Flow rate:** 1.5 mL/minute

**Detection:** UV @ 290 nm

**Diluent:** Acetonitrile and Water (50:50)

**Standard solution:** 0.12 mg / mL of USP Cyclobenzaprine Hydrochloride RS in Diluent

- *Most recently appeared in Pharmacopeial Forum: Volume No. 40(4) Page information: USP42-NF37 – 1177, USP41-NF36 – 1119, USP40-NF35 – 3602*

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**Note:** Cyclobenzaprine is a muscle relaxant and works by blocking nerve impulses that signal pain sensations sent to your brain. Cyclobenzaprine is used together with rest and physical therapy to relieve muscle spasms caused by painful conditions such as an injury.

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**Attachment: No. - 383 Cyclobenzaprine Hydrochloride USP Assay pdf** 81.1 Kb [Download File](#)

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