

# Fluphenazine HCl USP Tablet Assay with HPLC – AppNote

## Alternate L7 Column used for the USP Assay Method of Fluphenazine HCl Tablets

This USP Fluphenazine HCl Tablet Assay is easily performed and the five injection overlay below demonstrates Run to Run consistency and Precision. The Peak Efficiency is very good and Peak Tailing guidelines are easily met with RSD values of 0.2%. This demonstrates a good alternate Column for your Fluphenazine HCl Tablet USP Method.



### Peak:



Fluphenazine HCl

### Method Conditions:

**Column:** Cogent RP C8™, 5um, 150Å

**Catalog No.:** 68508-15P

**Dimensions:** 4.6mm x 150mm

**Mobile Phase:** 0.2% Triethylamine (TEA) in Diluent

*Buffer: 0.05 M Monobasic Potassium Phosphate adjusted with Phosphoric Acid to a pH of 2.5.*

*Diluent: Acetonitrile, Methanol, and Buffer ( 30:30:40 )*

**Injection vol.:** 25µL

**Flow rate:** 1.0mL / minute

**Detection:** UV @ 254nm

**Sample Preparation:** Fluphenazine Hydrochloride 60µg / mL in Diluent

**Note 1:** Fluphenazine Hydrochloride is the Hydrochloride salt of Fluphenazine, a Phenothiazine with Antipsychotic activity and potential Antineoplastic activity.