MICROSOLV TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories
SINCE 1992

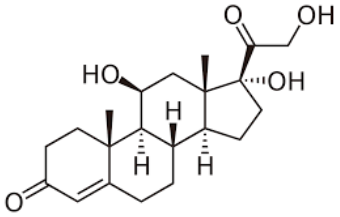
Alternate L1 column used for a similar Hydrocortisone Assay with HPLC – AppNote

Alternate L1 column used for a similar USP assay method of Hydrocortisone

This Similar USP Hydrocortisone 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 0.5%.

This demonstrates a good alternate Column for your Hydrocortisone USP Method.

Peak:



Hydrocortisone

Method Conditions:

MICROSOLV TECHNOLOGY CORPORATION

HPLC Columns and Chromatography Accessories

SINCE 1992

Column: Cogent MicroBee C18™, 5um, 125Å
Catalog No.: 59305-03
Dimensions: 3.9mm x 300mm
Mobile Phase: 25:75 Acetonitrile / DI Water
Injection vol.: 15µL
Flow rate: 1.0mL / minute
Detection: UV @ 254nm
Sample Preparation: Hydrocortisone 50µg / mL in Methanol

Note 1: *Hydrocortisone, a Corticosteroid, and is similar to a natural hormone produced by your Adrenal Glands. Hydrocortisone is used to treat immune, inflammatory, and neoplastic conditions.*

Note 2: The Cogent MicroBee C18™ performs very similarly to the Waters® µBondapak C18®.

COGENT HPLC Columns™