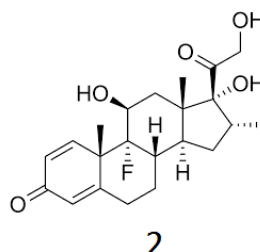
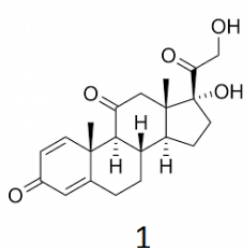
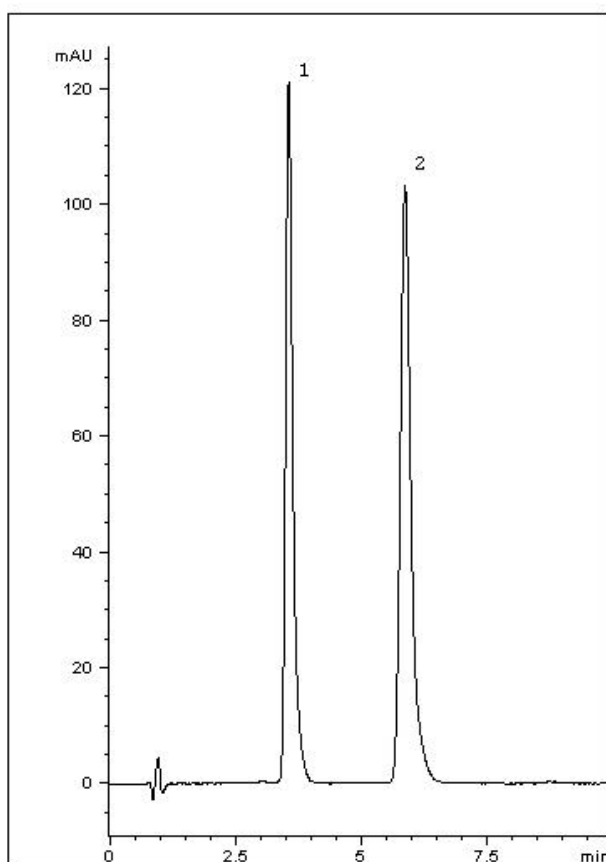


## Dexamethasone and Prednisone Assay with HPLC- AppNote

### Analysis of Corticosteroids

This simple isocratic Method demonstrates good separation of two similar synthetic Glucocorticoids. This analysis for corticosteroids may serve well for quantitation in pharmaceutical preparations. This Method would easily translate to LCMS.



#### Peak:

- 1. Prednisone
- 2. Dexamethasone

### Method Conditions:

Column: Cogent Bidentate C18™, 4µm, 100Å

**Catalog No.:** 40018-75

**Dimensions:** 4.6 x 75mm

**Mobile Phase:** (70:30) DI Water with 0.1% Formic Acid / Acetonitrile

**Injection vol.:** 1µL

**Flow rate:** 1.0mL / minute

**Detection:** UV @ 254nm

**Sample Preparation:** Prednisone and Dexamethasone 0.1mg / mL in Methanol.

**Notes:** *Prednisolone and Dexamethasone are synthetic Glucocorticoids, a class of steroid hormones. These are produced by the adrenal gland and are known for anti-inflammatory and immunosuppressive actions*



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