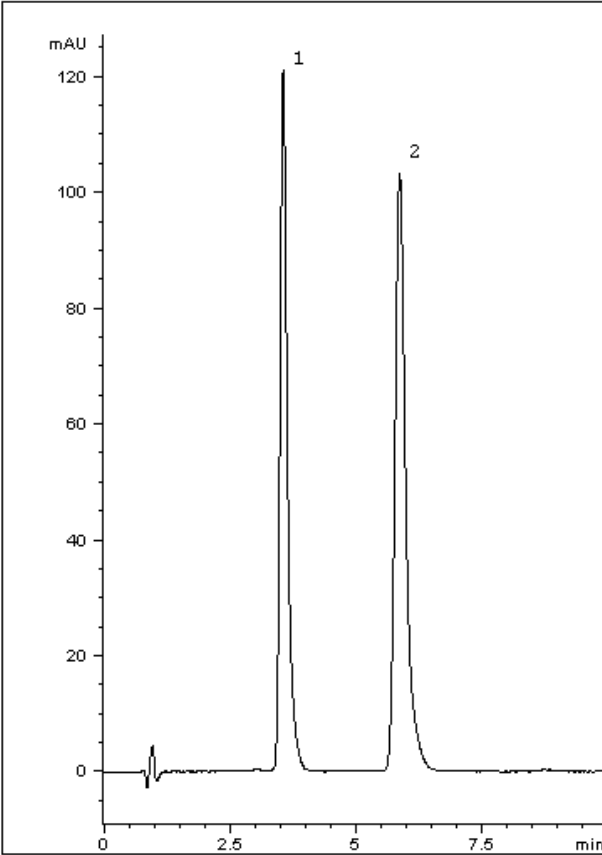




Dexamethasone and Prednisone Assay with HPLC- AppNote

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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