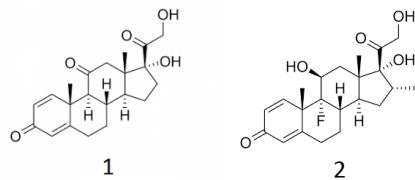
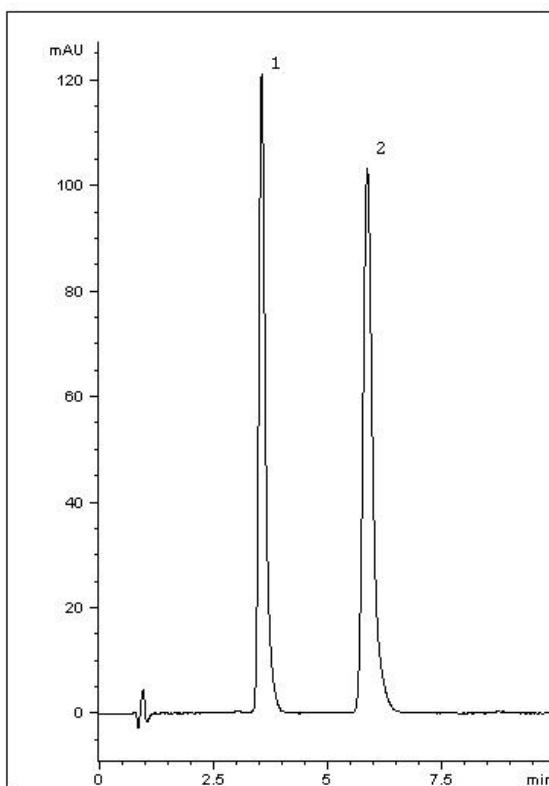




Dexamethasone and Prednisone Assay by HPLC- AppNote

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



Printed from the Chrom Resource Center

Copyright 2025, All Rights Apply

MicroSolv Technology Corporation

9158 Industrial Blvd. NE, Leland, NC 28451

Tel: (732) 380-8900

Fax: (910) 769-9435

Email: customers@mtc-usa.com

Website: www.mtc-usa.com