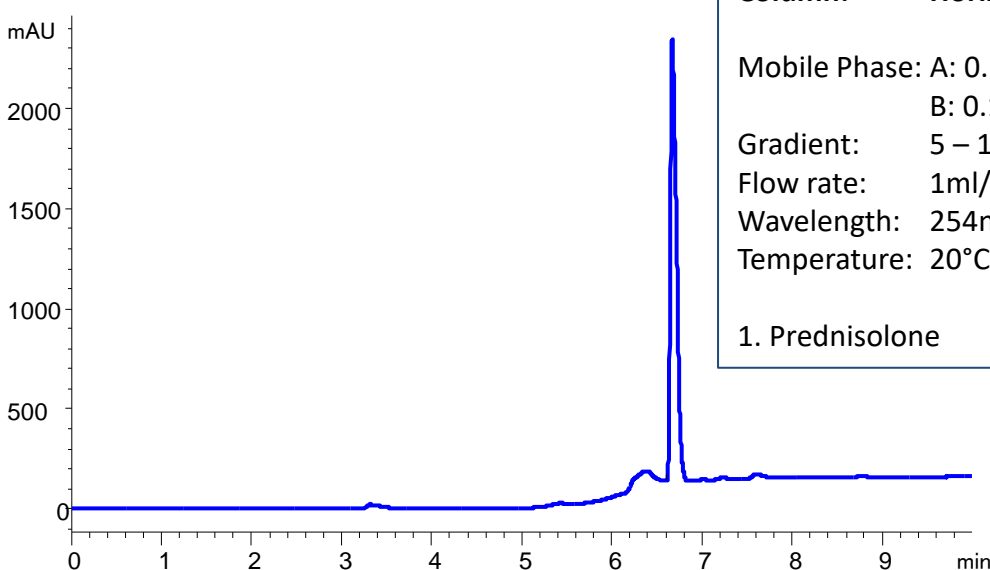
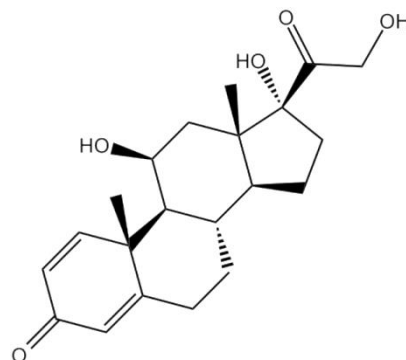


Application Note: Prednisolone

Prednisolone is a corticosteroid drug with predominant glucocorticoid and low mineralocorticoid activity. It is used to treat certain types of allergies, inflammatory conditions, autoimmune disorders, and cancers. Some of these conditions include adrenocortical insufficiency, high blood calcium, rheumatoid arthritis, dermatitis, eye inflammation, asthma, and multiple sclerosis.

Corticosteroids inhibit the inflammatory response to a variety of inciting agents and, it is presumed, delay or slow healing. They inhibit the oedema, fibrin deposition, capillary dilation, leukocyte migration, capillary proliferation, fibroblast proliferation, deposition of collagen, and scar formation with inflammation.

Prednisolone was discovered and approved for medical use in 1955. It is on the World Health Organization's List of Essential Medicines. It is available as a generic medication.



Column: Horizon C18 5 μ 150x4.6mm

Mobile Phase: A: 0.1% Formic acid in Water

B: 0.1% Formic acid in MeCN

Gradient: 5 – 100% B in 10minutes

Flow rate: 1ml/min

Wavelength: 254nm

Temperature: 20°C

1. Prednisolone