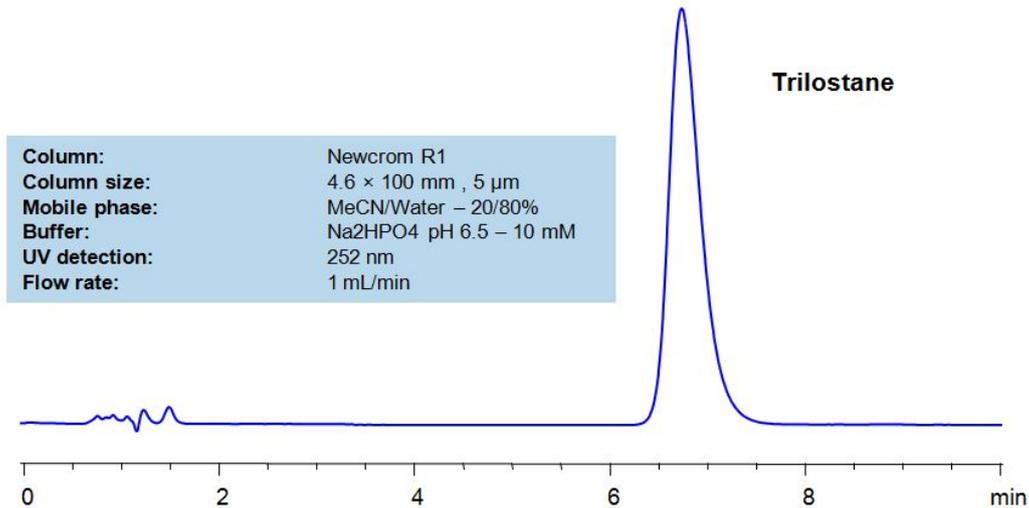


HPLC Method for Analysis of Trilostane



High Performance Liquid Chromatography (HPLC) Method for Analysis of Trilostane

Trilostane, sold most commonly under the brand name “Vetoryl,” is a medication used to treat Cushing’s syndrome in dogs. Previously, it had been approved for human use, but was withdrawn in 1990s. Trilostane is a steroidogenesis inhibitor, not an aromatase inhibitor, may still inhibit estrogen synthesis by inhibiting androgen synthesis.

Trilostane can be retained and analyzed using the Newcrom R1 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a disodium phosphate. Detection is performed using UV.

Method Parameters

Column	Newcrom R1, 4.6 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H ₂ O – 20/80%
Buffer	Na ₂ HPO ₄ pH 6.5 – 10 mM
Flow Rate	1.0 mL/min
Detection	UV, 252 nm

Quelle: <https://sielc.com/hplc-method-for-analysis-of-trilostane>