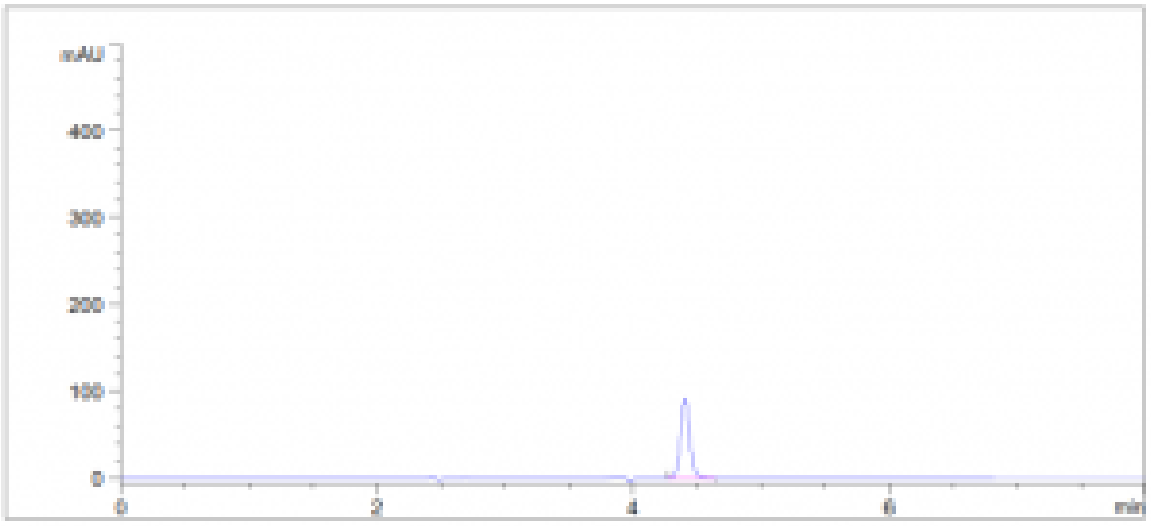
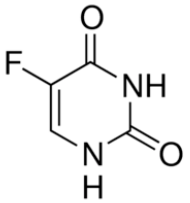
Fluorouracil Assay Analyzed with HPLC – AppNote

A Reliable Method for a Chemotherapeutic Drug

This Fluorouracil Assay is easily performed and demonstrates Run to Run consistency and Precision with Retention Time RSD values below 0.1%. This Method shows reliability for analysis of this Pyrimidine Analog that is an anti-neoplastic anti-metabolite.



Peak:



Fluorouracil

Met hod Conditions:

Column: Cogent RP C18™, 5um, 100Å
Catalog No.: 68518-25P
Dimensions: 4.6mm x 250mm

Mobile Phase: (5:95) Methanol / Buffer
Buffer: 0.73g / L of Monobasic Sodium Phosphate and 1.4g / L of Dibasic Sodium Phosphate in Water.
Injection vol.: 20µL

Flow rate: 1.0mL / minute
Detection: UV @ 254nm

Sample Preparation: Fluorouracil 1.0mg / mL in DI Water

Note: *Fluorouracil is a Pyrimidine Analog used to treat Basal Cell Carcinomas, and as an injection in palliative Cancer treatment.*

This Method was developed by and is presented courtesy of ARL- Eutech Scientific Services, Inc.

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