Waters™

Application Note

ACQUITY UPLC Analysis of 5-Fluorouracil

Waters Corporation

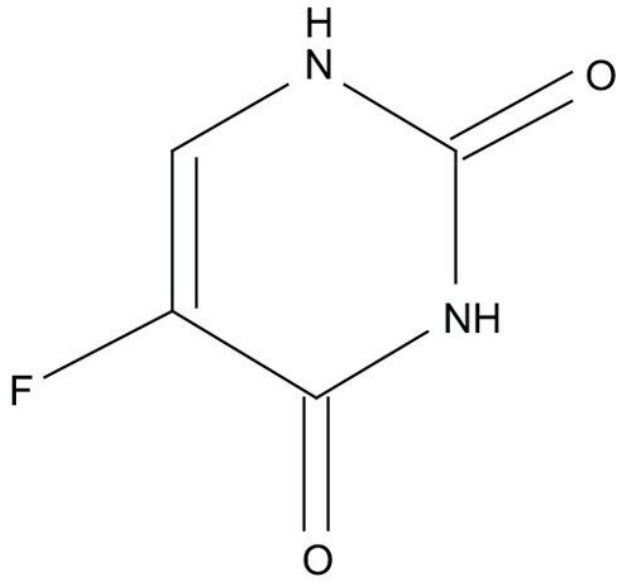
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief demonstrates AQUITY UPLC analysis of 5-Fluorouracil.

Introduction

Structure



5-Fluorouracil

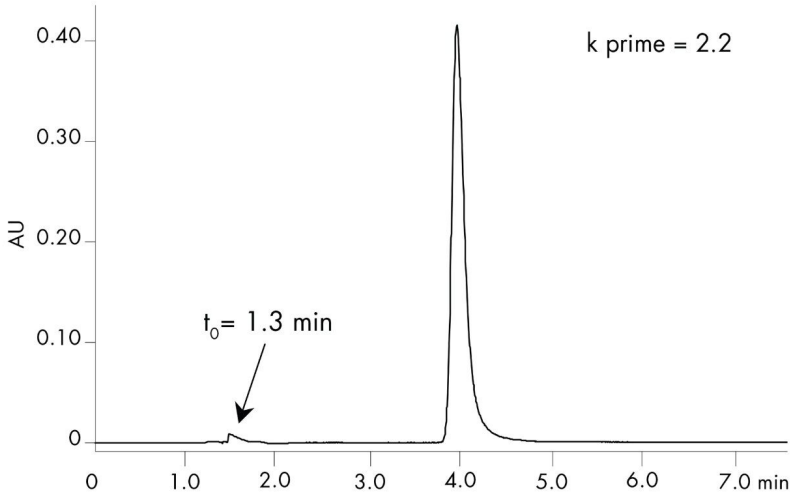
Experimental

Test Conditions

Columns:	ACQUITY UPLC BEH Amide, 2.1 x 50 mm, 1.7 µm
Part Number:	186004800
Isocratic Mobile Phase:	95/2.5/2.5 MeCN/IPA/H_2O with 5 mM CH_3COONH_4 and 0.02% NH_4OH, pH 9.0
Flow Rate:	0.2 mL/min

Injection Volume:	5.0 µL (PLNO)
Sample Concentration:	50 µg/mL
Sample Diluent:	75/25 MeCN/MeOH with 0.2% HCOOH
Column Temperature:	25 °C
Weak Needle Wash:	95/5 MeCN/H_2O
Detection:	UV @ 265 nm
Sampling Rate:	20 points/sec
Filter Time Constant:	0.2
Instrument:	Waters ACQUITY UPLC with ACQUITY UPLC PDA Detector

Results and Discussion



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ACQUITY UPLC System <https://www.waters.com/514207>

ACQUITY UPLC PDA Detector <https://www.waters.com/514225>

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