

ACQUITY UPLC Analysis of 5-Fluorouracil

Waters Corporation



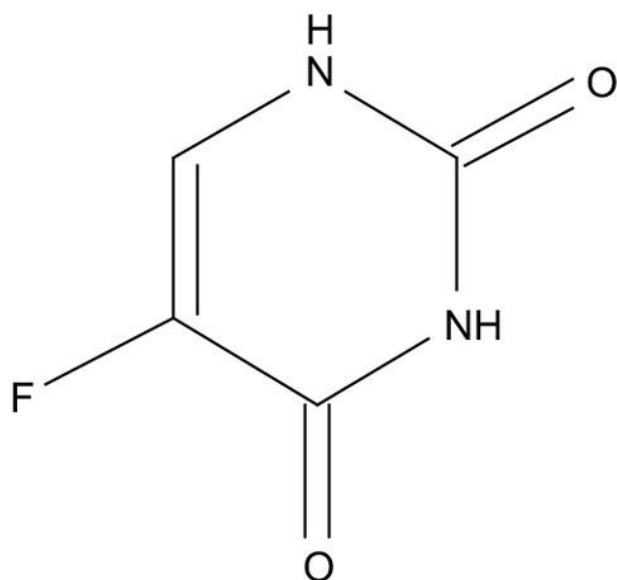
This is an Application Brief and does not contain a detailed
Experimental section.

Abstract

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

Introduction

Structure



5-Fluorouracil

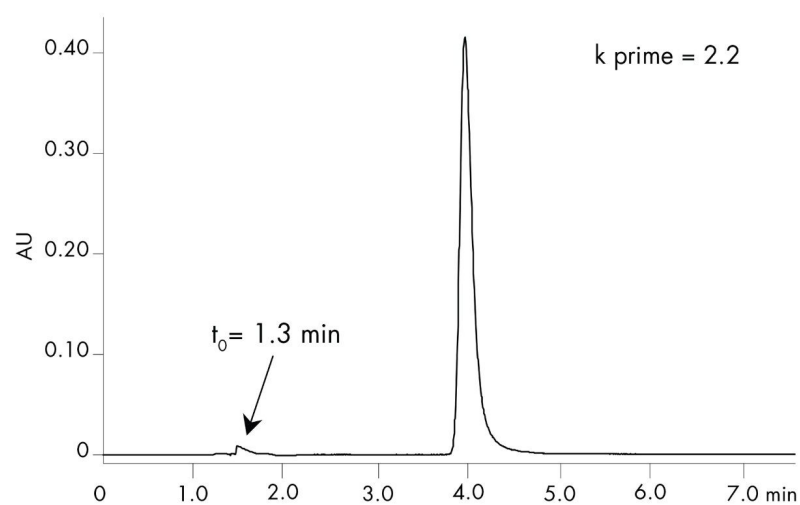
Experimental

Test Conditions

Columns:	ACQUITY UPLC BEH Amide, 2.1 x 50 mm, 1.7 μ m
Part Number:	186004800
Isocratic Mobile Phase:	95/2.5/2.5 MeCN/IPA/H ₂ O with 5 mM CH ₃ COONH ₄ and 0.02% NH ₄ OH, pH 9.0
Flow Rate:	0.2 mL/min

Injection Volume:	5.0 μL (PLNO)
Sample Concentration:	50 $\mu\text{g/mL}$
Sample Diluent:	75/25 MeCN/MeOH with 0.2% HCOOH
Column Temperature:	25 $^{\circ}\text{C}$
Weak Needle Wash:	95/5 MeCN/H ₂ O
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



Featured Products

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

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

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