Waters™

Application Note

ACQUITY UPLC Analysis of Thiourea

Waters Corporation



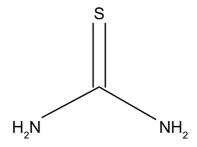
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief demonstrates the analysis of Thiourea.

Introduction

Structure



Thiourea

Experimental

Test Conditions

Column: ACQUITY UPLC BEH Amide, 2.1 x 150 mm, 1.7 μ

m

Part Number: 186004802

Isocratic Mobile Phase: 95/2.5/2.5 MeCN/IPA/H₂O with 10 mM CH₃

 $COONH_4$ and 0.01% NH_4OH , pH 9.0

Flow Rate: 0.2 mL/min

Injection Volume: 5.0 µL (PLNO)

Sample Concentration: 10 μ g/mL

Sample Diluent: 75/25 MeCN/MeOH with 0.2% HCOOH

Column Temperature: 25 °C

Weak Needle Wash: 95/5 MeCN/H₂O

Detection: UV @ 245 nm

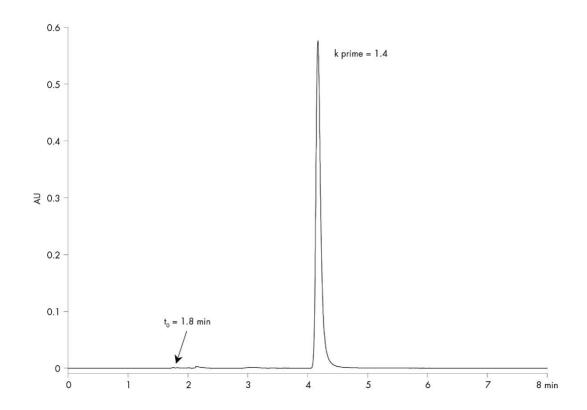
Sampling Rate: 20 points/sec

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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