

CLICK ON THE UNDERLINED BLUE TEXT FOR DETAILS ON THE PRODUCTS USED IN THIS APPLICATION

TEST CONDITIONS

Columns: ACQUITY UPLC® BEH Amide,
2.1 x 100 mm, 1.7 µm

Part Number: [186004801](#)

Mobile Phase A: 50/50 MeCN/H₂O with 10 mM
CH₃COONH₄ and 0.02% CH₃COOH,
pH 5.0

Mobile Phase B: 90/10 MeCN/H₂O with 10 mM
CH₃COONH₄ and 0.02% CH₃COOH,
pH 5.0

Flow Rate: 0.2 mL/min

Gradient:

Time (min)	Profile	
%A	%B	
Initial	0.1	99.9
10.00	99.9	0.1
10.01	0.1	99.9
15.00	0.1	99.9

Injection Volume: 5.0 µL (PLNO)

Sample Concentration: 30 µg/mL each

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

Column Temperature: 25 °C

Weak Needle Wash: 95/5 MeCN/H₂O

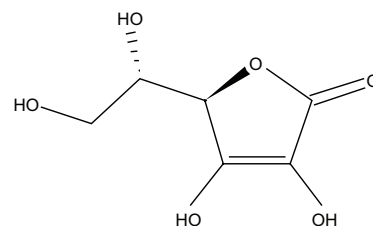
Detection: UV @ 260nm

Sampling Rate: 20 points/sec

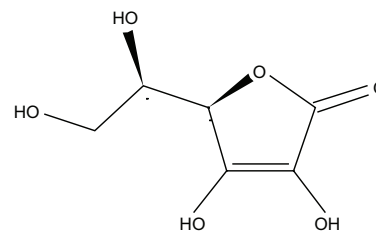
Filter Time Constant: 0.2

Instrument: Waters ACQUITY UPLC with
ACQUITY UPLC PDA Detector

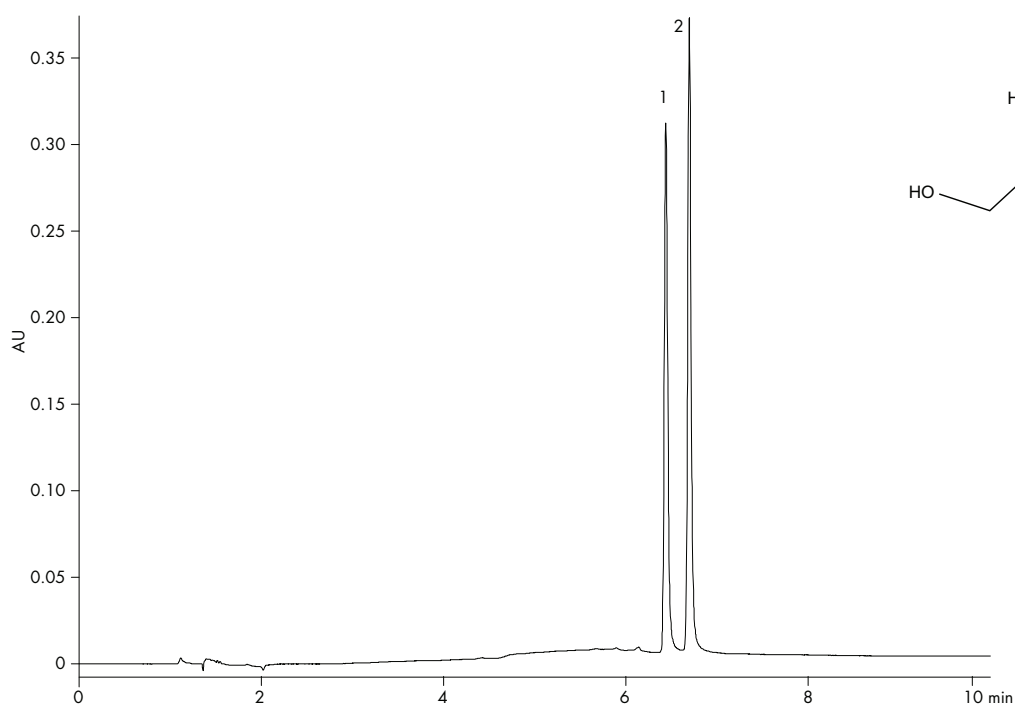
STRUCTURES



Ascorbic Acid



Isoascorbic Acid



COMPOUNDS

1. Isoascorbic acid
2. Ascorbic acid