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アプリケーションノート

Analysis of Ginseng Root Powder on an ACQUITY UPLC BEH Amide Column

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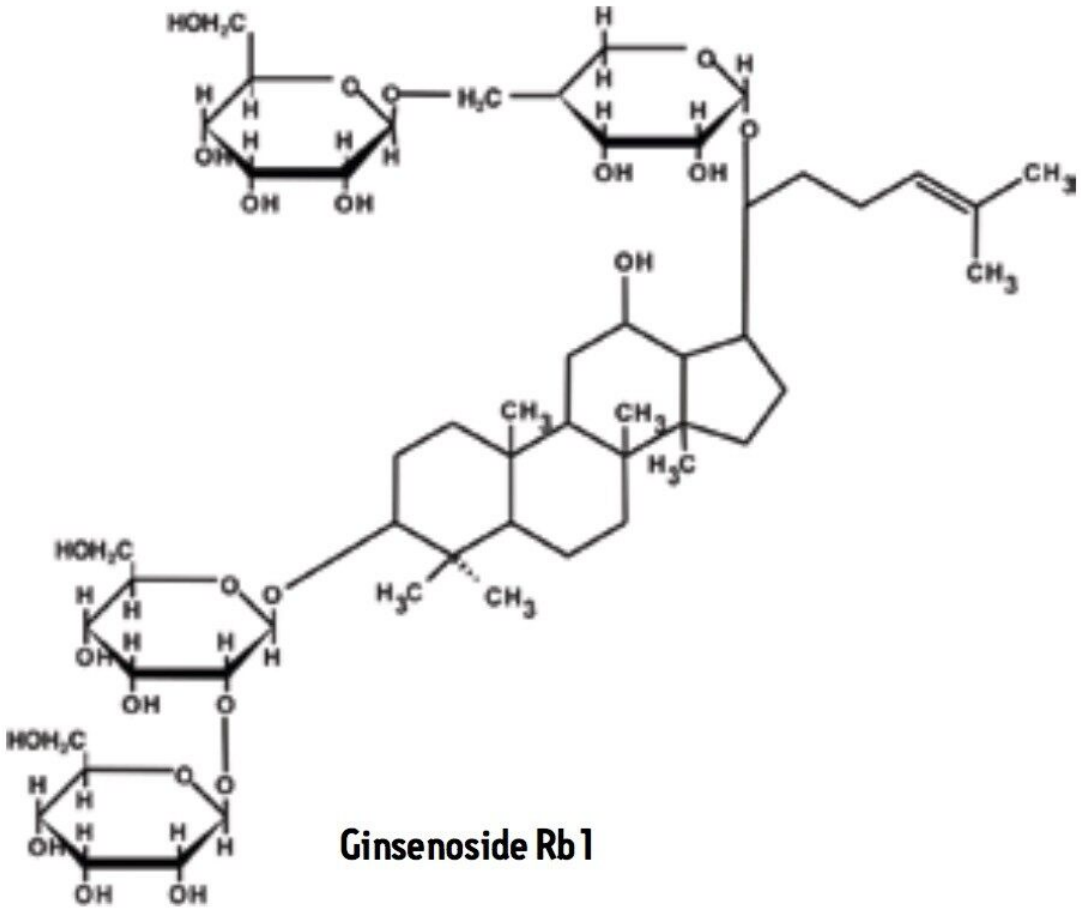
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief demonstrates analysis of ginseng root powder on an ACQUITY UPLC BEH Amide column.

Introduction

Compound



Experimental

UPLC Conditions

Column:	ACQUITY UPLC BEH Amide, 1.7 µm, 2.1 x 150 mm
Part Number:	186004802
Mobile Phase:	80:20 MeCN:H_2O
Isocratic Flow Rate:	0.6 mL/min
Column Temp.:	60 °C
Sample Temp.:	10 °C
Injection Vol.:	2.5 µL; PLNO on 10 µL loop
Strong & Weak Needle Wash:	95:5 MeCN:H_2O
Seal Wash:	10:90 MeOH:H_2O
UV:	203 nm
Sampling Rate:	20 Hz
Filter Time Constant:	0.2 sec
Total Run Time:	3.5 min
Instrument:	ACQUITY UPLC with ACQUITY UPLC PDA

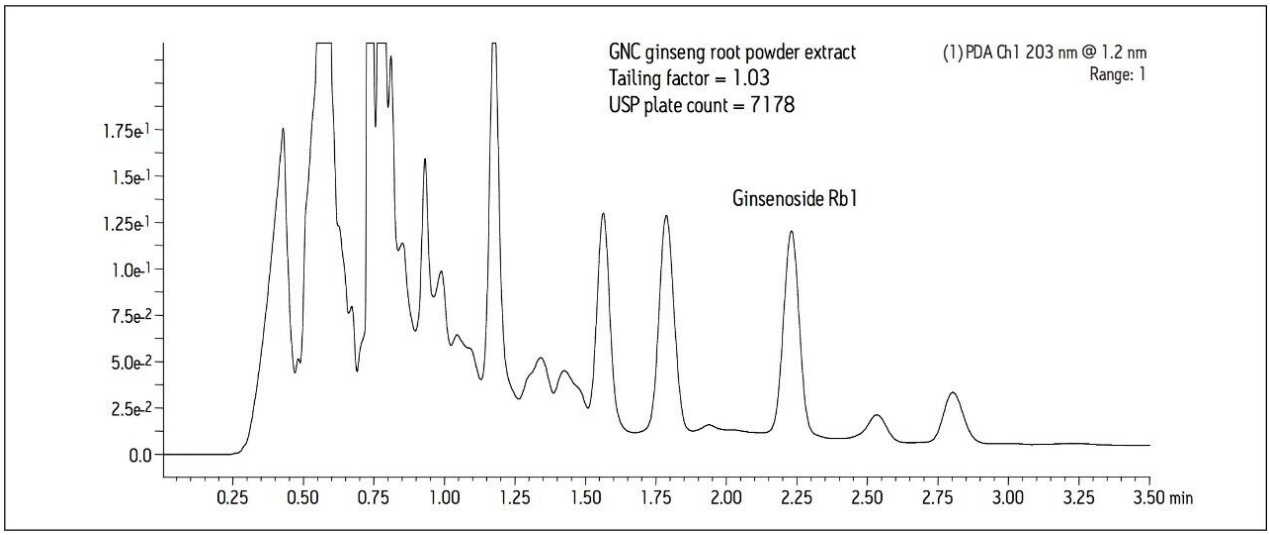
Extraction Procedure

1. Add 1 mL 80% MeOH to 200 mg ginseng root powder and sonicate for 5 min.
2. Centrifuge for 5 min @ 10,000 rpm.
3. Keep supernatant and re-extract by repeating steps 2-4 two more times.

4. Pool all three extracts and mix well.

5. Filter through a 13 mm nylon 0.2 µm filter prior to injection.

Results and Discussion



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