

Flavanoids

Waters Corporation



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

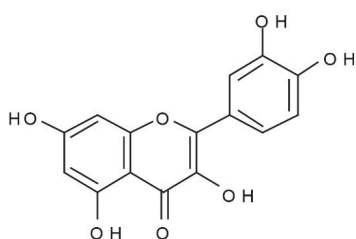
Abstract

This application brief demonstrates analysis of flavanoids.

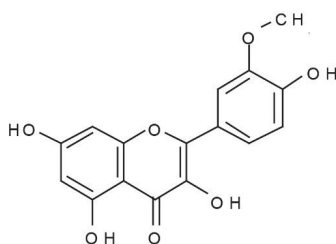
Introduction

The compounds used in this study are –

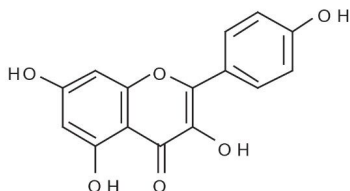
1. Quercetin
2. Kaempferol
3. Isorhamnetin



Quercetin



Isorhamnetin



Kaempferol

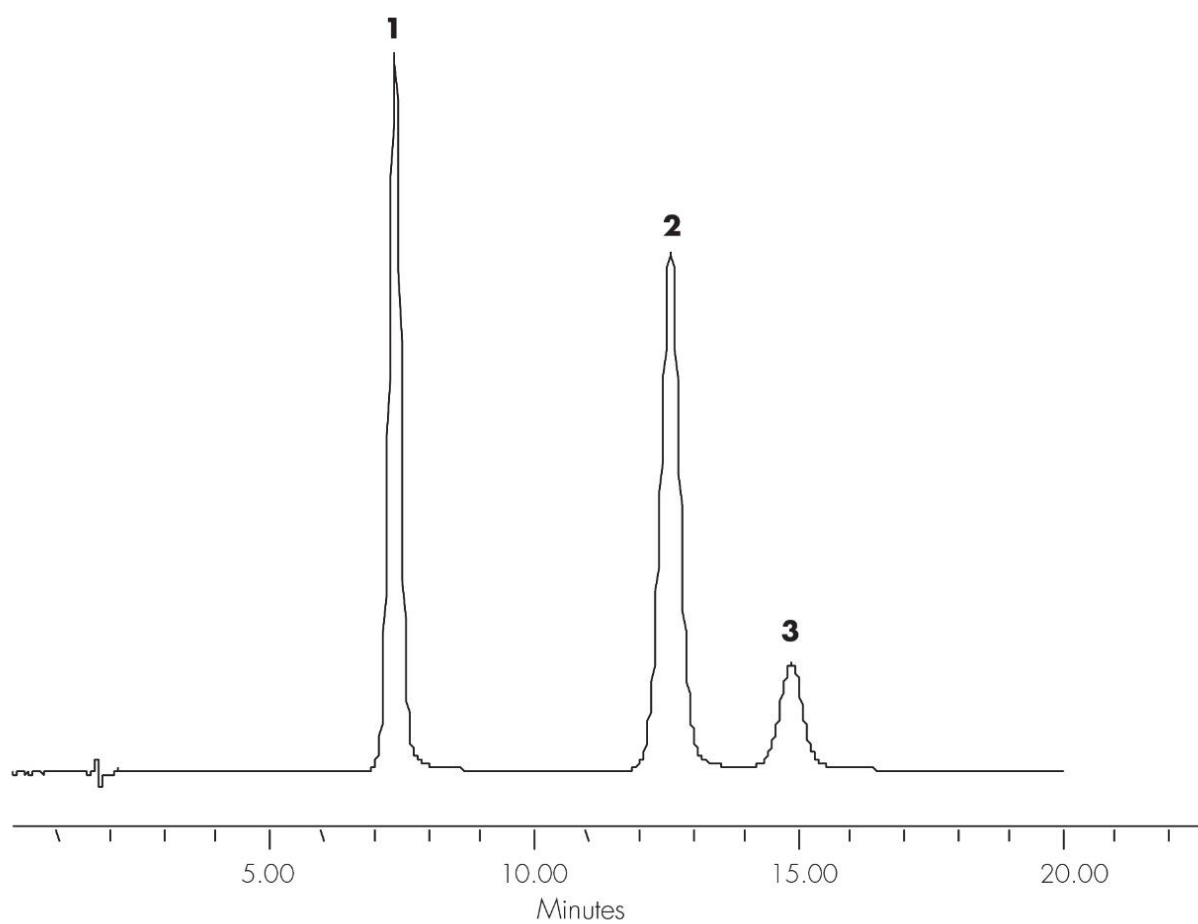
Experimental

Conditions

Column:	Xterra Phenyl, 4.6 x 150 mm, 5 µm
Part number:	186001146

Mobile phase A:	H ₂ O
Mobile phase B:	MeOH
Mobile phase C:	0.1% H ₃ PO ₄ , pH 3.0
Flow rate:	1.0 mL/min
Isocratic mobile phase composition:	48% A; 42% B; 10% C
Injection volume:	20 µL
Temperature:	35 °C
Detection:	UV @ 270 nm
Instrument:	Alliance 2695, 2996 PDA

Results and Discussion



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Alliance HPLC System <<https://www.waters.com/534293>>

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