

## Flavone and Dibucaine

Application #AN2850

### Conditions

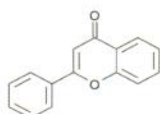
**Column:** ACE 3 C18  
**Dimensions:** 30 x 4.6 mm  
**Part Number:** ACE-111-0346  
**Mobile Phase:** A: 6.5 mM ammonium acetate in H<sub>2</sub>O  
 B: MeCN  
 C: MeOH  
**Gradient:**

Time (mins)	%A	%B	%C
0.0	80	10	10
5.2	0	50	50
5.6	0	0	100

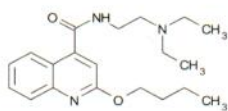
**Flow Rate:** 2 mL/min  
**Temperature:** 60 °C  
**Detection:** UV, 200-450 nm

### Analytes

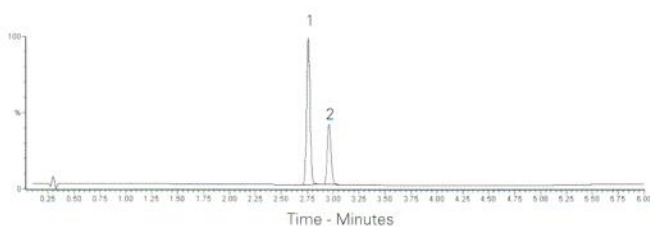
1. Flavone
2. Dibucaine



Flavone



Dibucaine



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## Flavonoids

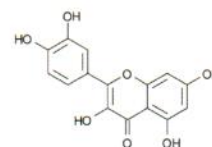
Application #AN2810

### Conditions

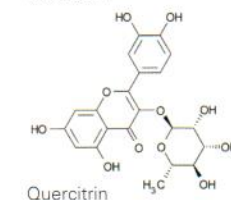
**Column:** ACE 5 C18  
**Dimensions:** 150 x 4.6 mm  
**Part Number:** ACE-121-1546  
**Mobile Phase:** MeCN/0.1% formic acid in H<sub>2</sub>O (40:60 v/v)  
**Flow Rate:** 1 mL/min  
**Injection:** 1 µL  
**Temperature:** Ambient  
**Detection:** UV, 254 nm

### Analytes

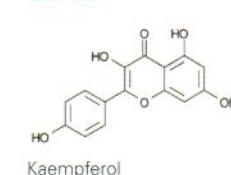
1. Rutin
2. Quercetin
3. Quercitrin
4. Kaempferol



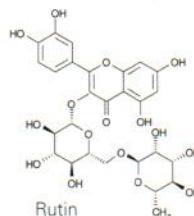
Quercetin



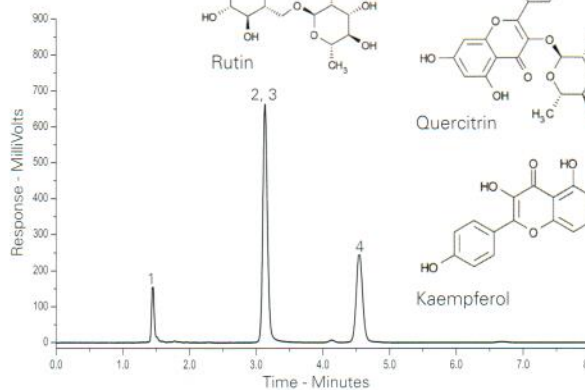
Quercitrin



Kaempferol



Rutin



## Flurbiprofen and Related Substances

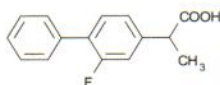
Application #AN3630

### Conditions

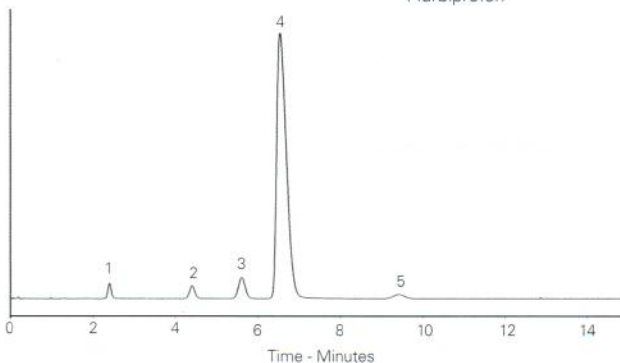
**Column:** ACE 3 C18  
**Dimensions:** 50 x 4.6 mm  
**Part Number:** ACE-111-0546  
**Mobile Phase:** H<sub>2</sub>O/MeCN/TFA (64:34:0.5 v/v/v)  
**Flow Rate:** 2 mL/min  
**Injection:** 20 µL  
**Temperature:** 28 °C  
**Detection:** UV, 254 nm

### Analytes

1. 2-(2-Fluoro-4-biphenyl)-2-hydroxypropionic acid
2. cis-2-(2-Fluoro-4-biphenyl)-2-hydroxypropionic acid
3. 2-Fluoro-4-biphenyl-4-carboxylic acid
4. Flurbiprofen
5. 4-Acetyl-2-fluorobiphenyl



Flurbiprofen



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## Formoterol from Human Plasma by LC-MS/MS

Application #AN3100

### Conditions

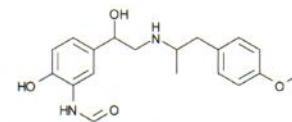
**Column:** ACE Excel 2 C18-AR  
**Dimensions:** 50 x 2.1 mm  
**Part Number:** EXL-109-0502U  
**Mobile Phase:** A: 0.02% formic acid in H<sub>2</sub>O  
 B: 0.02% formic acid in H<sub>2</sub>O/MeOH (2:98 v/v)  
**Gradient:**

Time (mins)	%B
0.00	10
0.20	10
2.00	40
2.01	100
3.50	100
3.51	10
4.00	10

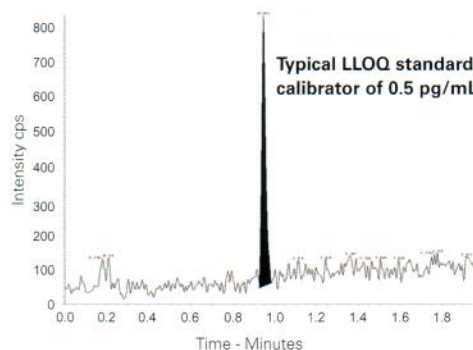
**Flow Rate:** 0.75 mL/min  
**Temperature:** 60 °C  
**Detection:** AB SCIEX QTRAP 5500 LC-MS/MS system  
**Sample:** Extracted by mixed mode cation exchange SPE

### Analyte

1. Formoterol  
(*m/z* 345 → 149)



Formoterol



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