

# Flavonol and Xanthone Glycosides from Mango Peels

Page 1 of 1

Column: Synergi 4u Hydro-RP 80A

Dimensions: 150 x 3 mm ID

Order No: 00F-4375-Y0

Elution Type: Gradient

Eluent A: 2% (v/v) acetic acid in water

Eluent B: 0.5% acetic acid in water and acetonitrile (50:50, v/v)

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 100   | 0     |
|                   | 2        | 15         | 75    | 25    |
|                   | 3        | 50         | 70    | 30    |
|                   | 4        | 60         | 20    | 80    |
|                   | 5        | 65         | 0     | 100   |
|                   | 6        | 65.5       | 100   | 0     |

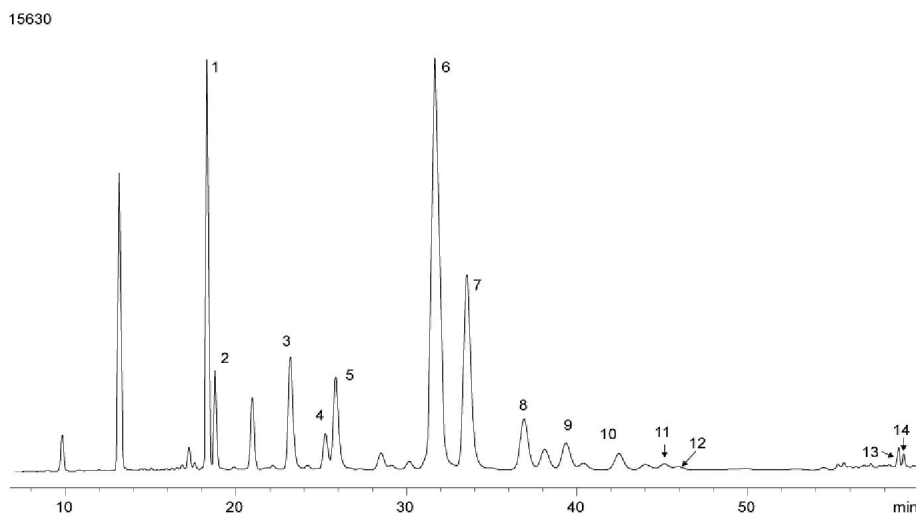
Flow Rate: 0.6 mL/min

Col. Temp.: 25 °C

Detection: UV-Vis Abs. - Variable Wave. @ 320 nm / 370 nm (ambient)

Comment: 320 nm (xanthenes), 370 nm (flavonols)

Products used in this Application:

## ANALYTES:

- |                                    |                             |
|------------------------------------|-----------------------------|
| 1 Mangiferin                       | 11 Quercetin 3-O-rhamnoside |
| 2 Isomangiferin                    | 12 Kaempferol 3-O-glucoside |
| 3 Mangiferin gallate               | 13 Rhamnetin-hexoside       |
| 4 Isomangiferin gallate            | 14 Quercetin                |
| 5 Quercetin 3-O-diglycoside        |                             |
| 6 Quercetin 3-O-galactoside        |                             |
| 7 Quercetin 3-O-glucoside          |                             |
| 8 Quercetin 3-O-xyloside           |                             |
| 9 Quercetin 3-O-arabinopyranoside  |                             |
| 10 Quercetin 3-O-arabinofuranoside |                             |

©Copyright 2000-2005 Phenomenex Inc.

For more information call your Phenomenex Representative at



www.phenomenex.com

Phenomenex products are available worldwide. For the distributor in your country, contact Phenomenex USA, International Department by telephone, fax or e-mail: international@phenomenex.com.


 ...breaking with tradition™

**USA**  
tel.: (310) 212-0555  
fax: (310) 328-7768  
email: info@phenomenex.com

**Puerto Rico**  
(800) 541-HPLC  
(310) 328-7768  
info@phenomenex.com

**Canada**  
(800) 543-3681  
(310) 328-7768  
info@phenomenex.com

**France**  
01 30 09 21 10  
01 30 09 21 11  
franceinfo@phenomenex.com

**United Kingdom**  
01625-501367  
01625-501796  
ukinfo@phenomenex.com

**Germany**  
06021-58830-0  
06021-58830-11  
anfrage@phenomenex.com

**New Zealand**  
09-4780951  
09-4780952  
info@phenomenex.co.nz

**Australia**  
02-9428-6444  
02-9428-6445  
info@phenomenex.com.au