

HPLC Application

ID No.: 15630

Flavonol and Xanthone Glycosides from Mango Peels

Column: Synergi[™] 4 µm Hydro-RP 80 Å, LC Column 150 x 3 mm, Ea

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.(UV) @ 320 nm (ambient)

Detector Info: 320 nm (xanthenes), 370 nm (flavonols)

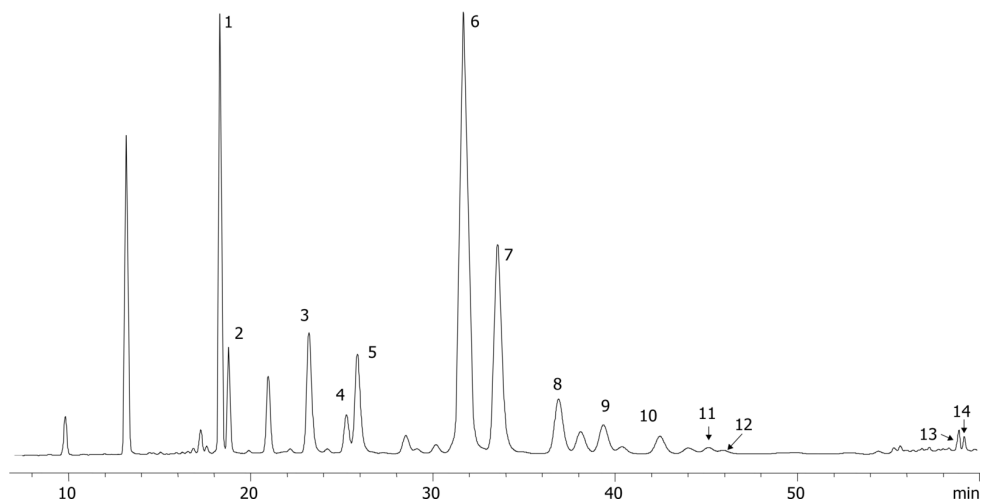
Analyst Note: SecurityGuard[™] Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, AQ C18 4 x 2.0mm, 10/Pk Part No.: AJ0-4286

- Holder Part No.: KJ0-4282



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ANALYTES:

- 1 Mangiferin
- 2 Isomangiferin
- 3 Mangiferin gallate
- 4 Isomangiferin gallate
- 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
- 11 Quercetin 3-O-rhamnoside
- 12 Kaempferol 3-O-glucoside
- 13 Rhamnetin-hexoside
- 14 Quercetin

