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APPLICATION NOTE

E18BVPJ-002

RP-HPLC Analysis of Quercetin-3-O-rutinoside (Rutin) and its Degradation
Products Formed in an *in vitro* Digestion Model

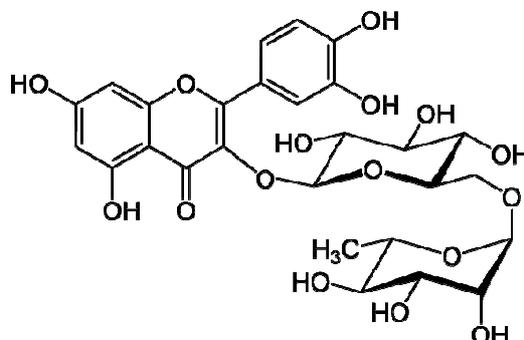
Abstract

Keywords

- Quercetin-3-O-rutinoside
- Rutin
- Flavonoid

Compound information

| Classification | Compound name |
|----------------|----------------------------------|
| Flavonoid | Quercetin-3-O-rutinoside (Rutin) |



Quercetin-3-O-rutinoside (Rutin)

Chromatographic conditions

| | |
|--|--|
| Column | VDSpher® PUR 100 C18-SE |
| Particle Size, Length × inner diameter | 5 µm, 250 × 4.6 mm |
| Order number | N2546E18BVPJ |
| Separation mode descriptions | analytical, reversed phase |
| Mobile Phase | A: 0.2% Acetic acid aqueous solution B: Acetonitrile / 0.2% Acetic acid aqueous solution (75/25 v/v) |
| Elution conditions | Gradient 0-10 min: 20% B 10-15min: 20% to 33% B 15-25 min: 33% B 25-35 min: 33% to 40% B 35-40 min: 40% B 40-45 min: 40% to 100% B 45-46 min: 100% to 20% B 46-56 min: 20% B |
| Flow rate | 1 ml/min |
| Injection | 20 µl |
| Column temperature | 30 °C |
| Pressure | |
| HPLC system | Shimadzu system consisting of degasser, autosampler, capillary pump Detector: Shimadzu 20-A series DAD, wavelengths: 280 nm, 370 nm |
| Sample and sample preparation | |

Chromatograms

Not available

Origin

Dipl.-Chem. Denise Schütt, Prof. Dr. Leif-Alexander Garbe
Technische Universität Berlin
Fakultät III – Prozesswissenschaften (Faculty III – Process Sciences)

References

Year of application: 2014

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www.vdsoutilab.de

info@vdsoutilab.de



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