



infochroma ag

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Summer promotion: 35 % discount on all HALO[®]-5 columns

Stevia - the „natural“ sweetener a laboratory produce

Stevia is the ideal sugar replacement. It is naturally sweet while it has zero calories. However, this sweetener gained in a complicated chemical process has little in common with the Stevia plant, the sweet herb which has been used by the peoples in South America for centuries for its sweet flavour and for medicinal purposes.

What we buy as Stevia is in fact steviol glycosides. These are indeed gained from the naturally sweet Stevia extract. But what few know, the commercially available Stevia is an industrially produced extract or derivative of the chemical substance that is responsible for the sweet taste.

The HALO[®]-5 Penta-HILIC is ideal to analyse stevia glycosides thanks to its unique bonded phase containing five OH groups. The various glycosides may be analysed in short time and with great selectivity (see next page).

The high efficiency is a fundamental quality of all HALO[®]-5 columns. Thanks to the so-called fused core technology, flow rates are equal to those of a conventionally packed column with particles < 3 µm. The back-pressure, however, is substantially lower or in other words, equals the back pressure of a column packed with < 5 µm particles, which is why HALO-5[®] columns may be used on conventional HPLC instrumentation.

Profit from our unique summer discount of 35 % on all HALO[®]-5 columns and guard columns until 31. July 2015 (17:00). To take advantage of this discount, you must place the [special offer code HALO515](#) on your order. Stock up now - the time is ripe. Our column specialist Yukiko Higai is happy to assist you with all questions concerning HALO columns.

best regards
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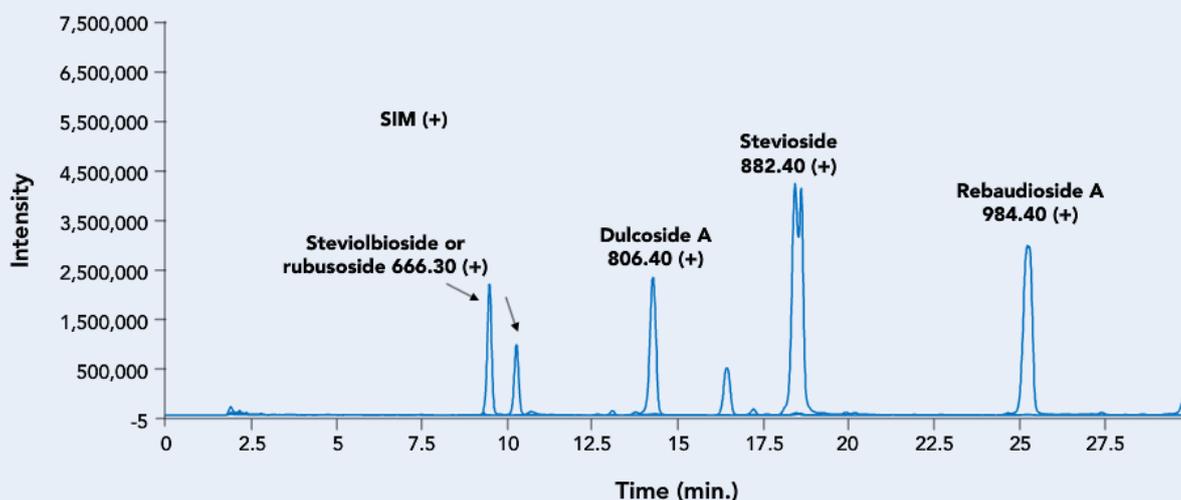
LC-MS Analysis of stevia glycosides using HALO®-5 PENTA-HILIC

TEST CONDITIONS:

Column: 3.0 x 250 mm, HALO 5 Penta-HILIC
Part Number: 95813-905
Mobile Phase A: 50/50 Water/acetonitrile with 5 mM Ammonium formate, pH 3
Mobile Phase B: 5/95 Water/acetonitrile with 5 mM Ammonium formate, pH 3
Gradient: 90% B to 67% B over 30 min.

Flow Rate: 0.5 mL/min.
Pressure: 60 bar
Temperature: Ambient
Injection Volume: 5 µL
Sample Solvent: 80/20: Acetonitrile/water
LC System: Shimadzu Nexera
MS: Shimadzu LCMS 2020 (single quadrupole)

ESI: +4.5 kV
Scan Range: 200-1200 m/z
Scan Rate: 2 pps
Capillary: 250 °C
Heat Block: 350 °C
Nebulizing Gas Flow: 1.5 L/min.
Drying Gas Flow: 15 L/min.



LC-MS analysis of stevia glycosides from a Stevia natural sweetener extract is easily accomplished using the HALO®-5 Penta-HILIC column due to its unique bonded phase containing five OH groups.

8AM-95813-905

HALO®-5 Penta-HILIC HPLC column,
 5.0 µm, 3.0 x 250 mm

Promotion price: CHF 617.50/1 pcs.

List price: CHF 950.00/1 pcs.

8AM-95813-105

HALO®-5 Penta-HILIC Guard-column,
 5µm, 3.0 x 5 mm

Promotion price: CHF 357.50/3 pcs.

List price: CHF 550.00/3 pcs.



Promotion valid on all orders for HALO®-5 columns and guard columns with promotion code HALO155 quoted & placed before 31. July 2015 (17:00); prices excl. VAT, postage and packaging CHF 17.50