Vitexin is an apigenin flavone glucoside, a chemical compound found in the passion flower, Vitex agnus-castus (chaste tree or chasteberry), and in the Phyllostachys nigra bamboo leaves. It is also found in the pearl millet (Pennisetum millet). Vitexin is also found in Hawthorn. Improved peak shape for the conjugates was obtained at higher temperatures. The analysis shown here was performed on Ascentis Express RP-Amide. Fluka LC-MS Ultra CHROMASOLV solvents were used to supply low background interference and low particulate contaminants for robust, trouble-free operation. Cerilliant phytopharma CRMs (PHY82682, PHY89291, PHY89290, PHY89233) provided reliable identification and quantification.

**Market Focus**

- Vitamins, Nutraceuticals, and Natural Products

**Column**

- Ascentis Express RP-Amide, 10 cm x 3.0 mm ID, 2.7 um particles (53918-U)

**Mobile Phase**

- [A] 10 mM citric acid [B] acetonitrile (85:15, A:B)

**Flow Rate**

- 0.5 mL/min

**Pressure**

- 1770 psi (122 bar)

**Column Temp.**

- 55 °C

**Detector**

- UV, 335 nm

**Injection**

- 2 μL

**Sample**

- 100 μg/mL each in 40% methanol

**Application No.**

- G005903