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## Certificate of Analysis

**Product Name:** 5,7,3'-Trihydroxy-6,4',5'-trimethoxyflavone

**Other Name:**

**Catalogue No.:** BP1766

**Batch No.:** 14090303

**Report date:** 2014-09-03

**CAS Number:** 78417-26-2

**Mol. Formula:** C<sub>18</sub>H<sub>16</sub>O<sub>8</sub>

**Mol. Weight:** 360.08

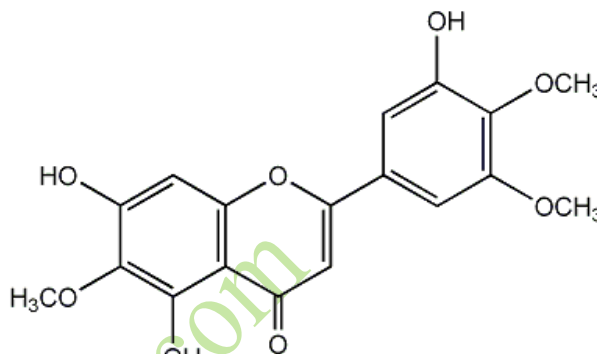
**Botanical Source:**

**Type of compound:**

**Identification Method:** Mass, NMR

**Analysis Method of Purity:** HPLC-DAD

**Structure:**



**Analytical result:**

| Test                  | Specification | Results       |
|-----------------------|---------------|---------------|
| Appearance            | Yellow powder | Yellow powder |
| Loss on drying        | <3.0%         | 1.0%          |
| Purity (HPLC, 330nm)* | ≥98.0%        | 99.28%        |

\* Please find HPLC chromatography attached.

**Package:** Brown vial or HDPE Plastic Bottle

**Storage:** Cool and Dry place, protected from light, keep package airproofed when not in use.

**Expiration:** two years (2016-09-03) under conditions list above.

QC: *Meng Pan*

Date: 2014-09-30

QA: *Lianglei Zhang*

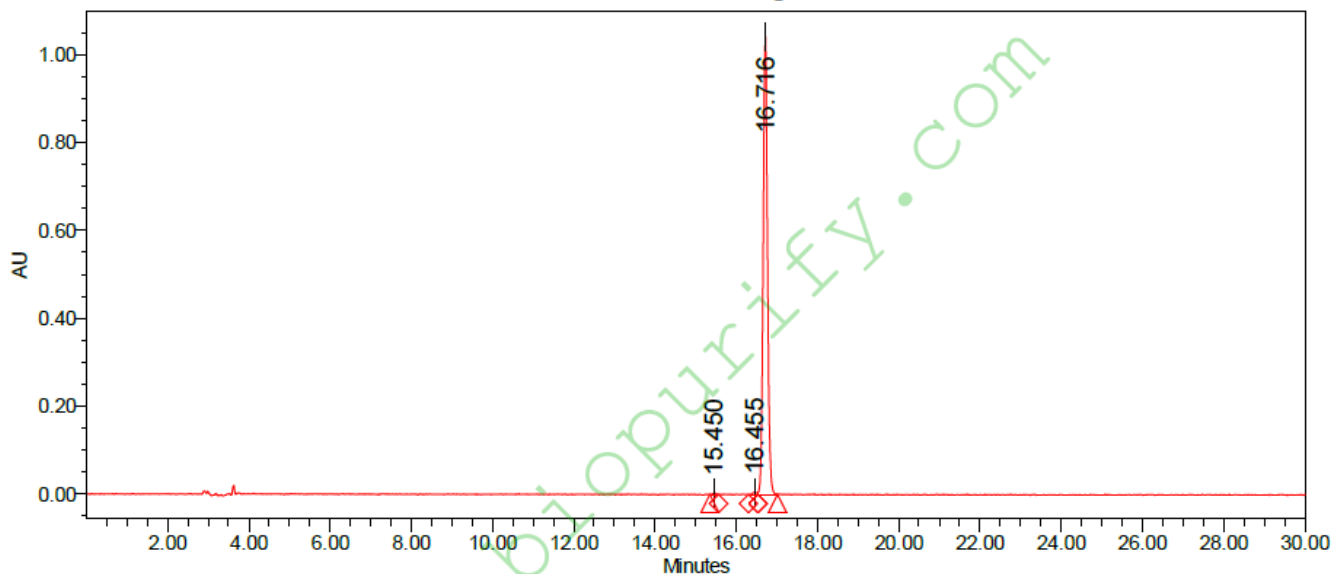
Date: 2014-09-30



## SAMPLE INFORMATION

|                   |                       |                     |              |
|-------------------|-----------------------|---------------------|--------------|
| Sample Name:      | 14090303              | Acquired By:        | System       |
| Sample Type:      | Unknown               | Sample Set Name:    |              |
| Vial:             | 1:A,3                 | Acq. Method Set:    | Weizhi       |
| Injection #:      | 1                     | Processing Method:  | Samples      |
| Injection Volume: | 10.00 ul              | Channel Name:       | 330.0nm      |
| Run Time:         | 30.0 Minutes          | Proc. Chnl. Descr.: | PDA 330.0 nm |
| Date Acquired:    | 2014-9-3 10:17:22 CST |                     |              |
| Date Processed:   | 2014-9-3 11:01:10 CST |                     |              |

## Auto-Scaled Chromatogram



## Peak Results

|   | Name | RT     | Area    | % Area | USP Plate Count | USP Resolution |
|---|------|--------|---------|--------|-----------------|----------------|
| 1 |      | 15.450 | 18708   | 0.24   | 178019.82       |                |
| 2 |      | 16.455 | 37950   | 0.49   |                 | 6.96           |
| 3 |      | 16.716 | 7767119 | 99.28  | 119113.70       | 1.51           |