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## Certificate of Analysis

**Product Name:** Arctiin

**Other Name:**

**Catalogue No.:** BP0187

**Batch No.:** 15092605

**Report date** 2015-09-26

**CAS Number:** 20362-31-6

**Mol. Formula:** C<sub>27</sub>H<sub>34</sub>O<sub>11</sub>

**Mol. Weight:** 534.558

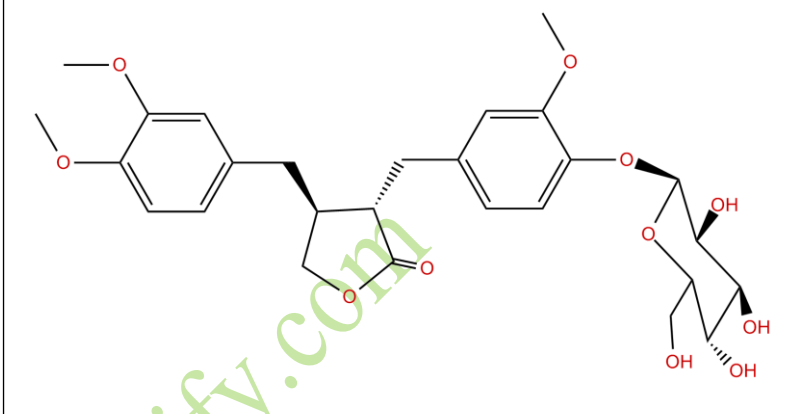
**Type of compound:**

**Botanical Source:** Forsythia intermedia

**Identification Method:** Mass, NMR

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

**Structure:**



**Analytical result:**

| Test                  | Specification | Results      |
|-----------------------|---------------|--------------|
| Appearance            | White powder  | White powder |
| Loss on drying        | <3.0%         | 0.9%         |
| Purity (HPLC,278nm) * | ≥98.0%        | 98.34%       |

\* 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.

QC: *Meng Pan*

Date: 2015-09-26

QA: *Lianglei Zhang*

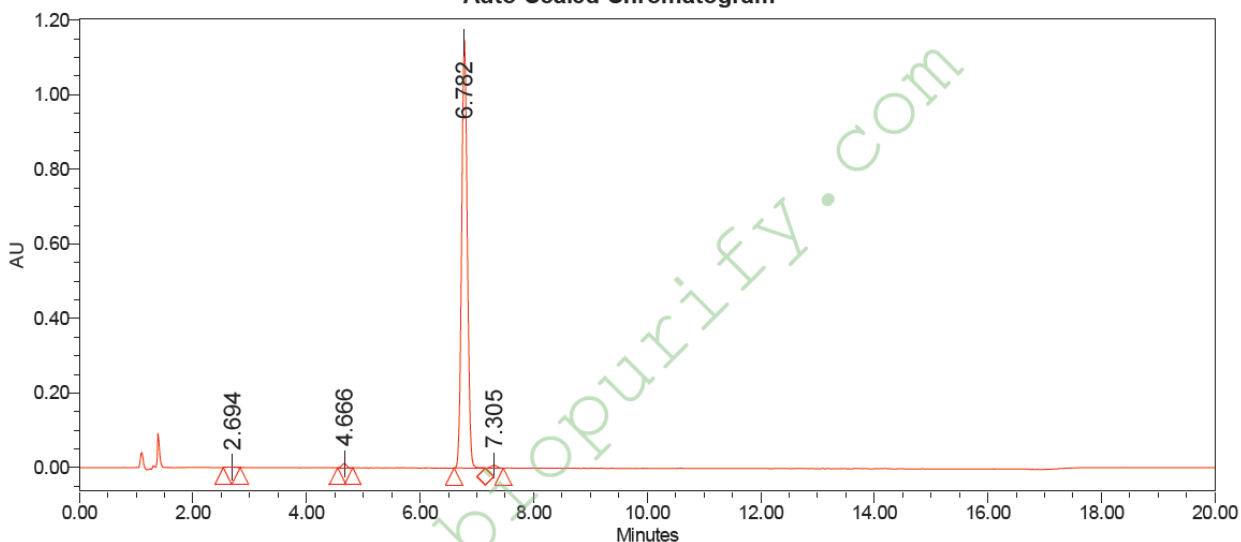
Date: 2015-09-26



### SAMPLE INFORMATION

|                   |                        |                     |              |
|-------------------|------------------------|---------------------|--------------|
| Sample Name:      | Arctiin 15092605       | Acquired By:        | panmeng      |
| Sample Type:      | Unknown                | Sample Set Name:    |              |
| Vial:             | 1:F,4                  | Acq. Method Set:    | Arctiin      |
| Injection #:      | 1                      | Processing Method:  | Samples      |
| Injection Volume: | 10.00 ul               | Channel Name:       | 278.0nm      |
| Run Time:         | 20.0 Minutes           | Proc. Chnl. Descr.: | PDA 278.0 nm |
| Date Acquired:    | 2015-9-26 16:19:44 CST |                     |              |
| Date Processed:   | 2015-6-14 12:47:29 CST |                     |              |

### Auto-Scaled Chromatogram



### Peak Results

|   | Name | RT    | Area    | % Area | USP Plate Count | USP Resolution |
|---|------|-------|---------|--------|-----------------|----------------|
| 1 |      | 2.694 | 16779   | 0.21   | 2907.62         |                |
| 2 |      | 4.666 | 63399   | 0.79   | 15641.31        | 11.15          |
| 3 |      | 6.782 | 7927483 | 98.34  | 21402.23        | 12.46          |
| 4 |      | 7.305 | 53907   | 0.67   | 19489.83        | 2.54           |