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## Certificate of Analysis

**Product Name: 6-Ethoxysanguinarine**

**Other Name:**

**Catalogue No.:** BP1839

**Batch No.:** 15060702

**Report date:** 2015-06-07

**CAS Number:** 28342-31-6

**Mol. Formula:** C<sub>22</sub>H<sub>18</sub>NO<sub>5</sub>

**Mol. Weight:** 376.38

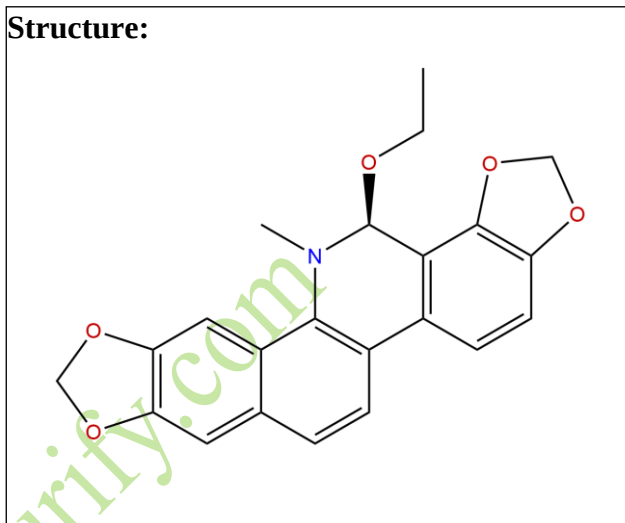
**Botanical Source:**

**Type of compound:**

**Identification Method:** Mass, NMR

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

**Structure:**



**Analytical result:**

| Test                  | Specification | Results       |
|-----------------------|---------------|---------------|
| Appearance            | Purple powder | Purple powder |
| Loss on drying        | <3.0%         | 1.0%          |
| Purity (HPLC, 275nm)* | ≥98.0%        | 99.30%        |

\* 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 (2017-06-06) under conditions list above.

QC: *Meng Pan*

Date: 2015-06-07

QA: *Jinhui Yang*

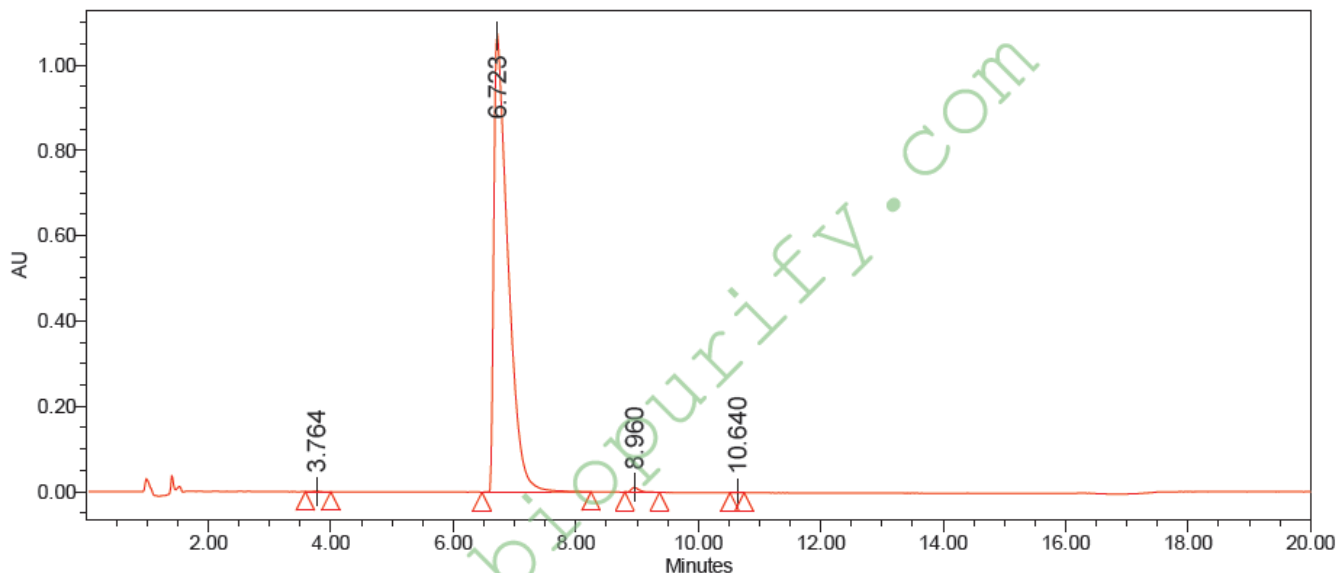
Date: 2015-06-07



### SAMPLE INFORMATION

|                   |                               |                     |                      |
|-------------------|-------------------------------|---------------------|----------------------|
| Sample Name:      | 6-Ethoxysanguinarine 15060702 | Acquired By:        | panmeng              |
| Sample Type:      | Unknown                       | Sample Set Name:    |                      |
| Vial:             | 1:A,1                         | Acq. Method Set:    | 6-Ethoxysanguinarine |
| Injection #:      | 1                             | Processing Method:  | Samples              |
| Injection Volume: | 10.00 ul                      | Channel Name:       | 275.0nm              |
| Run Time:         | 20.0 Minutes                  | Proc. Chnl. Descr.: | PDA 275.0 nm         |
| Date Acquired:    | 6/7/2015 10:01:38 AM CST      |                     |                      |
| Date Processed:   | 6/7/2015 10:31:42 AM CST      |                     |                      |

### Auto-Scaled Chromatogram



### Peak Results

|   | Name | RT     | Area     | % Area | USP Plate Count | USP Resolution |
|---|------|--------|----------|--------|-----------------|----------------|
| 1 |      | 3.764  | 13102    | 0.08   | 4485.72         |                |
| 2 |      | 6.723  | 17252573 | 99.30  | 3651.19         | 8.66           |
| 3 |      | 8.960  | 105228   | 0.61   | 23206.96        | 6.38           |
| 4 |      | 10.640 | 3285     | 0.02   | 44452.63        | 7.57           |