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## Certificate of Analysis

**Product Name:** Solamargine

**Other Name:**

**Catalogue No.:** BP1320

**Batch No.:** 1561305

**Report Date:** 201506-13

**CAS Number:** 20311-51-7

**Mol. Formula:** C<sub>45</sub>H<sub>73</sub>NO<sub>15</sub>

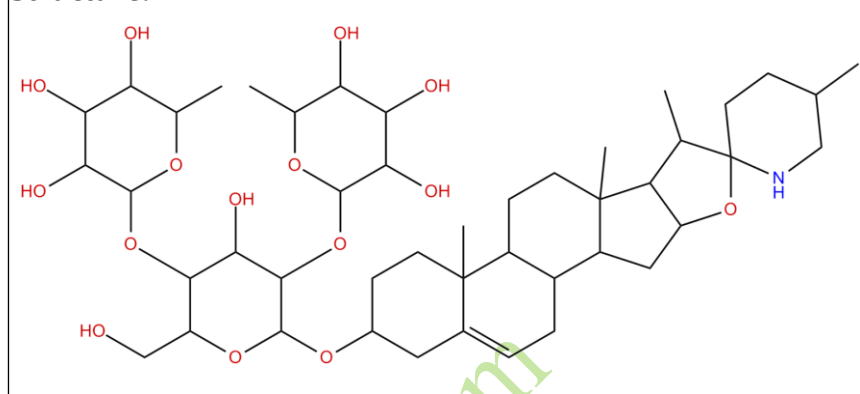
**Mol. Weight:** 868.071

**Type of compound:**

**Identification Method:** Mass, NMR

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

**Structure:**



**Analytical result:**

| Test                | Specification    | Results          |
|---------------------|------------------|------------------|
| Appearance          | Off-white powder | Off-white powder |
| Loss on drying      | <3.0%            | 1.0 %            |
| Purity (HPLC-ELSD)* | ≥98.0%           | 99.73%           |

\* 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 (2017-06-12) under conditions list above.

QC: *Meng Pan*

Date: 2015-06-13

QA: *Lianglei Zhang*

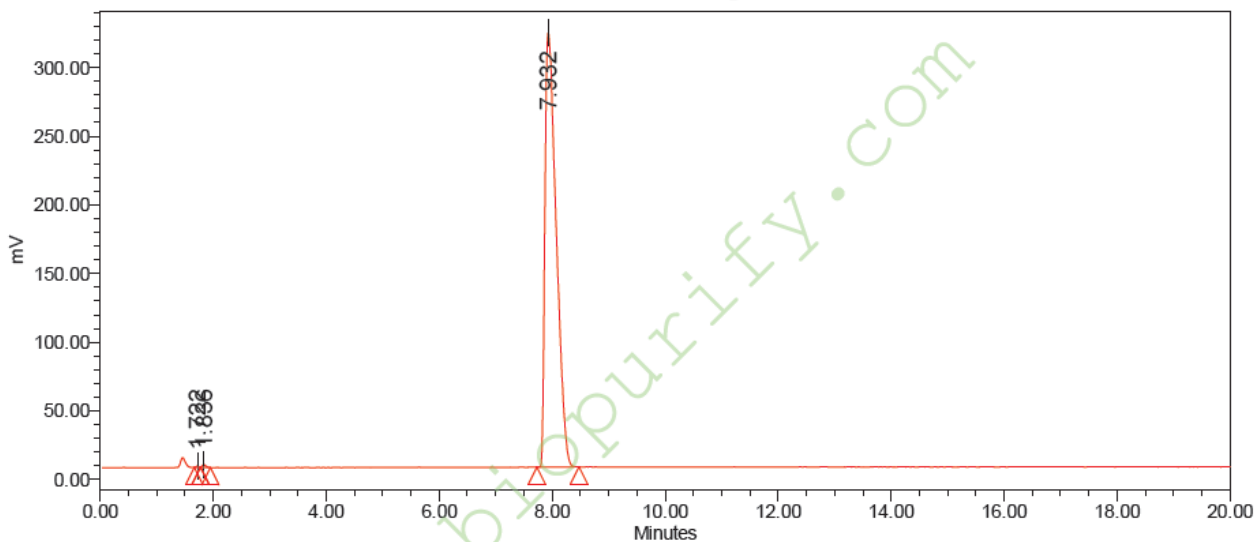
Date: 2015-06-13



### SAMPLE INFORMATION

|                   |                        |                     |             |
|-------------------|------------------------|---------------------|-------------|
| Sample Name:      | Solamargine 15061305   | Acquired By:        | panmeng     |
| Sample Type:      | Unknown                | Sample Set Name:    |             |
| Vial:             | 1:E,1                  | Acq. Method Set:    | Solamargine |
| Injection #:      | 1                      | Processing Method:  | Samples     |
| Injection Volume: | 10.00 ul               | Channel Name:       | SATIN       |
| Run Time:         | 20.0 Minutes           | Proc. Chnl. Descr.: |             |
| Date Acquired:    | 2015-6-13 11:47:38 CST |                     |             |
| Date Processed:   | 2015-6-13 13:32:17 CST |                     |             |

### Auto-Scaled Chromatogram



### Peak Results

|   | Name | RT    | Area    | % Area | USP Plate Count | USP Resolution |
|---|------|-------|---------|--------|-----------------|----------------|
| 1 |      | 1.722 | 2996    | 0.07   | 6570.87         |                |
| 2 |      | 1.836 | 8718    | 0.20   | 3838.70         | 1.10           |
| 3 |      | 7.932 | 4372124 | 99.73  | 6758.53         | 23.65          |