



## 产品分析证书 Certificate of Analysis

中文名称: 14-去氧-11,12-二去氢穿心莲内酯

English Name: 14-Deoxy-11,12-

didehydroandrographolide

别名 (Alias):

产品编码 (Cat. No.): SBP02104

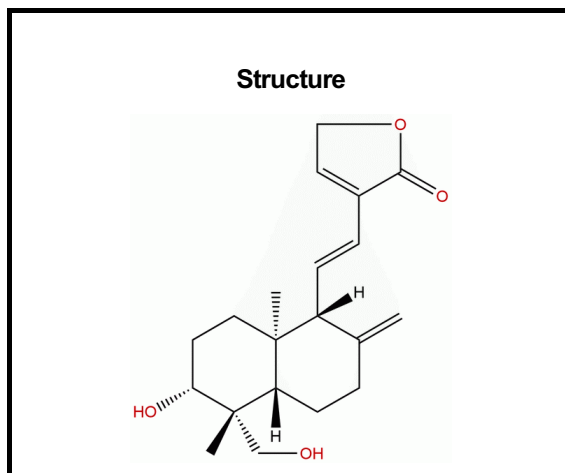
CAS Number: 42895-58-9

分子式 (M. F.): C<sub>20</sub>H<sub>28</sub>O<sub>4</sub>

分子量 (M. W.): 332.44

批号 (Batch No.): PRF8050428

报告日期 (Report date): 2017-05-04



### 检验结果 (Analytical result):

| 检验项目 (Test Item)             | 检验指标 (Specifications)     | 检验结果 (Results)   |
|------------------------------|---------------------------|------------------|
| 外观 Appearance                | Off-white powder          | Off-white powder |
| 纯度 Purity (HPLC-DAD, 250nm)* | ≥98.0%                    | 98.28%           |
| 质谱 Mass                      | 332.4±1                   | Conforms         |
| 核磁 NMR                       | Comply with the structure | Conforms         |
| 水分 Water Content             | <3.0%                     | 1.67%            |

\* 色谱图见附件 (Please find HPLC chromatography attached.)

检测方法 (Test Method): Column: Agilent 5HC-C18, 4.6\*250mm, 5.0um; Column temperature: 30°C; Detection Mode: UV250nm; Flow

Rate: 1.0ml/min; Sample dissolution: Methanol; Mobile Phase: A, 0.1% Phosphoric acid in water B, Acetonitrile; Gradient elution: B, 30%-50%, 15min.

贮存条件 (Storage): 2-8°C, protected from light, keep package airtight when not in use.

复测期 (Retest date): two years (2019-05-03) under conditions list above.

QC: Zhang Ling

Date: 2017-05-04

QA: Wu Qi

Date: 2017-05-04

备注 (Remarks): The sample solutions should be prepared and used on the day of receipt. It is the best preparing the solutions immediately before use. If the solutions have to be made up in advance, it should be made as aliquots in tightly sealed vials at less than -20°C. Generally, these might be useable for up to two weeks.

In case of quality issue, please contact us within 15 days after receipt of the product.

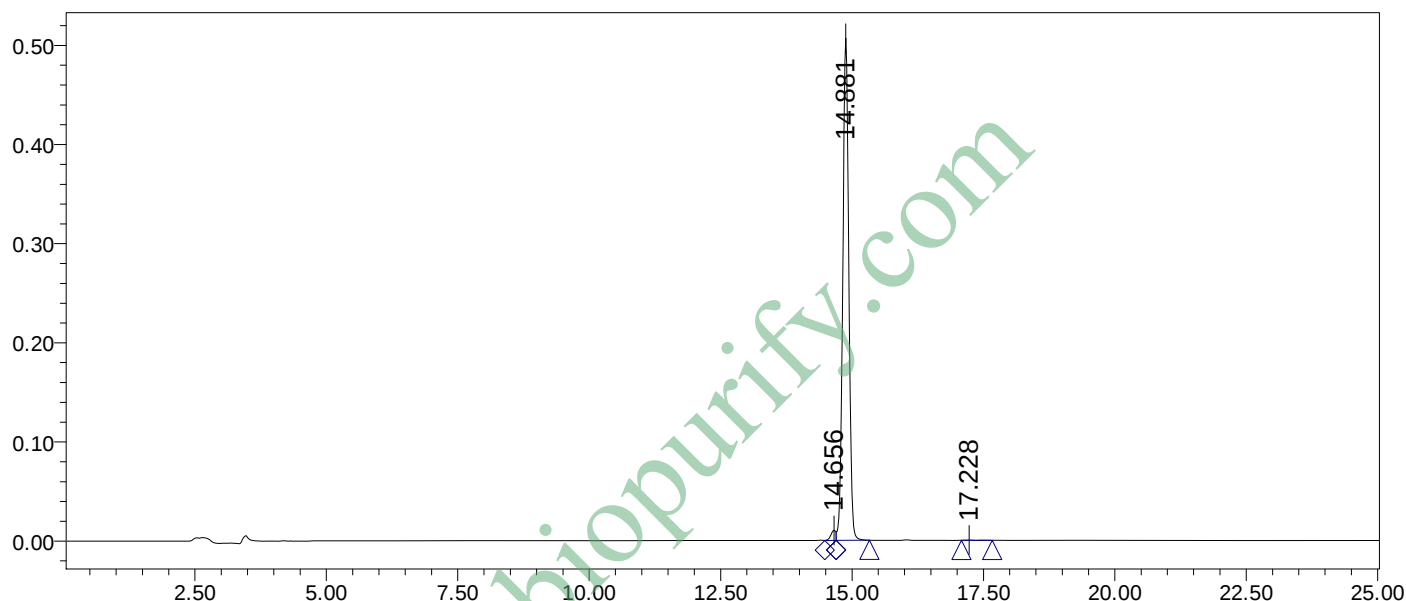
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# SAMPLE INFORMATION

|                   |                       |                     |                                |
|-------------------|-----------------------|---------------------|--------------------------------|
| Sample Name:      | PRF8050428            | Acquired By:        | System                         |
| Sample Type:      | Standard              | Sample Set Name:    |                                |
| Vial:             | 62                    | Acq. Method Set:    | 14 Deoxy 11 12 didehydroandrog |
| Injection #:      | 1                     | Processing Method:  | Samples                        |
| Injection Volume: | 10.00 ul              | Channel Name:       | 250.0nm                        |
| Run Time:         | 25.0 Minutes          | Proc. Chnl. Descr.: | PDA 250.0 nm                   |
| Date Acquired:    | 2017-5-4 16:44:26 CST |                     |                                |
| Date Processed:   | 2017-5-4 17:11:18 CST |                     |                                |

## Auto-Scaled Chromatogram



## Peak Results

|   | RT     | Area    | % Area | USP Plate Count | USP Resolution |
|---|--------|---------|--------|-----------------|----------------|
| 1 | 14.656 | 65229   | 1.58   |                 |                |
| 2 | 14.881 | 4045326 | 98.28  | 78530.80        |                |
| 3 | 17.228 | 5366    | 0.13   | 123569.98       | 11.16          |