

产品分析证书  
Certificate of Analysis

中文名称: 盐酸青藤碱

English Name: Sinomenine hydrochloride

别名 (Alias):

产品编码 (Cat. No.): BP1314

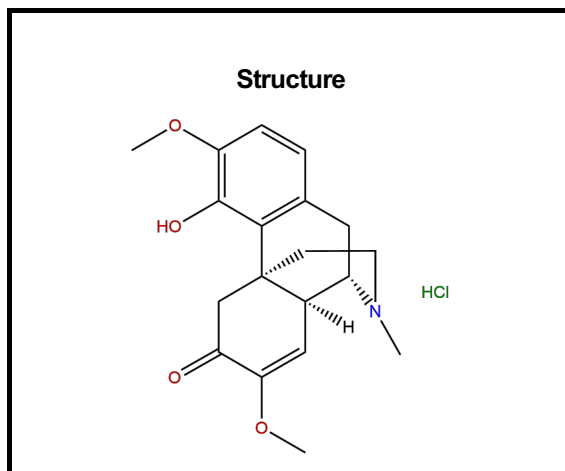
CAS Number: 6080-33-7

分子式 (M. F.): C<sub>19</sub>H<sub>24</sub>ClNO<sub>4</sub>

分子量 (M. W.): 365.854

批号 (Batch No.): PRF8030246

报告日期 (Report date): 2017年3月2日



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 |
| 干燥失重 Loss on drying          | <3.0%                     | 1.12%            |
| 纯度 Purity (HPLC-DAD, 267nm)* | ≥98.0%                    | 99.84%           |
| 质谱 Mass                      | 365.854±1                 | Conforms         |
| 核磁 NMR                       | Comply with the structure | Conforms         |

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

检测方法: (Test method): 色谱柱 (Column Type): Agilent TC-C18, 4.6\*150mm, 3.0um; 柱温 (Column temperature): 30℃;  
流速 (Flow Rate): 1.0ml/min; 检测 (Detection Mode and Setting): UV267nm; 样品溶解 (Sample dissolution): Methanol; 流动相 A (Mobile phase A): Triethylamine- Phosphate in Water (PH=7), 流动相 B (Mobile phase B): Acetonitrile, 梯度洗脱 (Gradient elution), 比例 (Proportion), B: 15%-35%, 15min.

贮存条件 (Storage): 2~8℃, protected from light, keep package airproofed when not in use.

复测期 (Retest date): two years (2019-03-01) under conditions list above.

QC: Zhang Ling  
Date: 2017年3月2日



QA: Wu Qi  
Date: 2017年3月2日

备注 (Remarks): The sample solutions should be prepared and used on the same day, 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℃. 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.

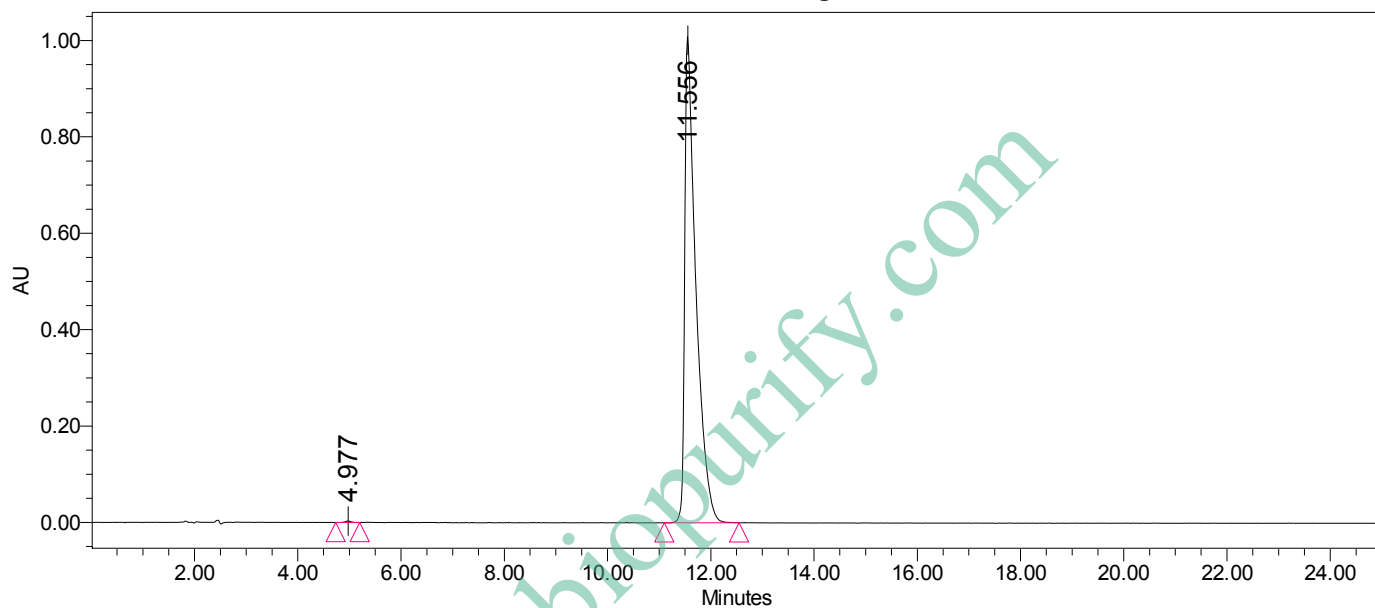
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## SAMPLE INFORMATION

|                   |                       |                     |                          |
|-------------------|-----------------------|---------------------|--------------------------|
| Sample Name:      | PRF8030246            | Acquired By:        | System                   |
| Sample Type:      | Unknown               | Sample Set Name:    |                          |
| Vial:             | 73                    | Acq. Method Set:    | Sinomenine hydrochloride |
| Injection #:      | 1                     | Processing Method:  | Samples                  |
| Injection Volume: | 10.00 ul              | Channel Name:       | 267.0nm                  |
| Run Time:         | 25.0 Minutes          | Proc. Chnl. Descr.: | PDA 267.0 nm             |
|                   |                       |                     |                          |
| Date Acquired:    | 2017-3-2 14:34:57 CST |                     |                          |
| Date Processed:   | 2017-3-2 15:10:25 CST |                     |                          |

### Auto-Scaled Chromatogram



### Peak Results

|   | Name | RT     | Area     | % Area | USP Plate Count | USP Resolution |
|---|------|--------|----------|--------|-----------------|----------------|
| 1 |      | 4.977  | 23613    | 0.16   | 9527.5          |                |
| 2 |      | 11.556 | 15183506 | 99.84  | 13192.7         | 21.7           |