

产品分析证书  
Certificate of Analysis

中文名称: 茶黄素-3-没食子酸酯

English Name: Theaflavin-3-gallate

别名 (Alias):

产品编码 (Cat. No.): BP1387

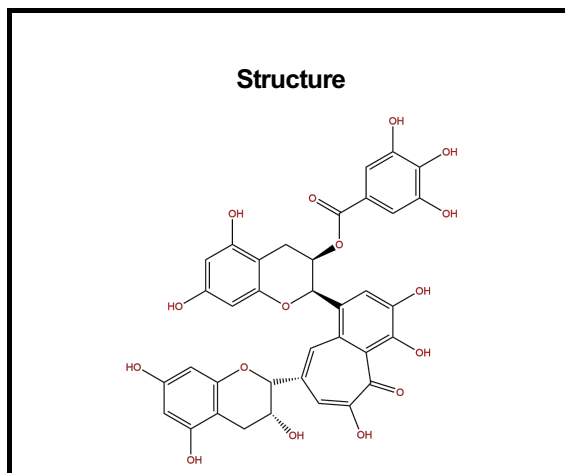
CAS Number: 30462-34-1

分子式 (M. F.): C<sub>36</sub>H<sub>28</sub>O<sub>16</sub>

分子量 (M. W.): 716.604

批号 (Batch No.): PRF7081841

报告日期 (Report date): 2016/8/18



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                | Brick red powder          | Brick red powder |
| 干燥失重 Loss on drying          | <3.0%                     | 1.13%            |
| 纯度 Purity (HPLC-DAD, 270nm)* | ≥95.0%                    | 96.02%           |
| 质谱 Mass                      | 716.604±1                 | Conforms         |
| 核磁 NMR                       | Comply with the structure | Conforms         |

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

贮存条件 (Storage): 2~8℃

复测期 (Retest date): two years (2018-08-17) under conditions list above.

备注 (Remarks): 如遇质量问题, 请于收到产品之日起 15 日内与我们联系。

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

QC:

Zhang Ling

Date: 2016年8月18日

QA:

Wu Qi

Date: 2016年8月18日

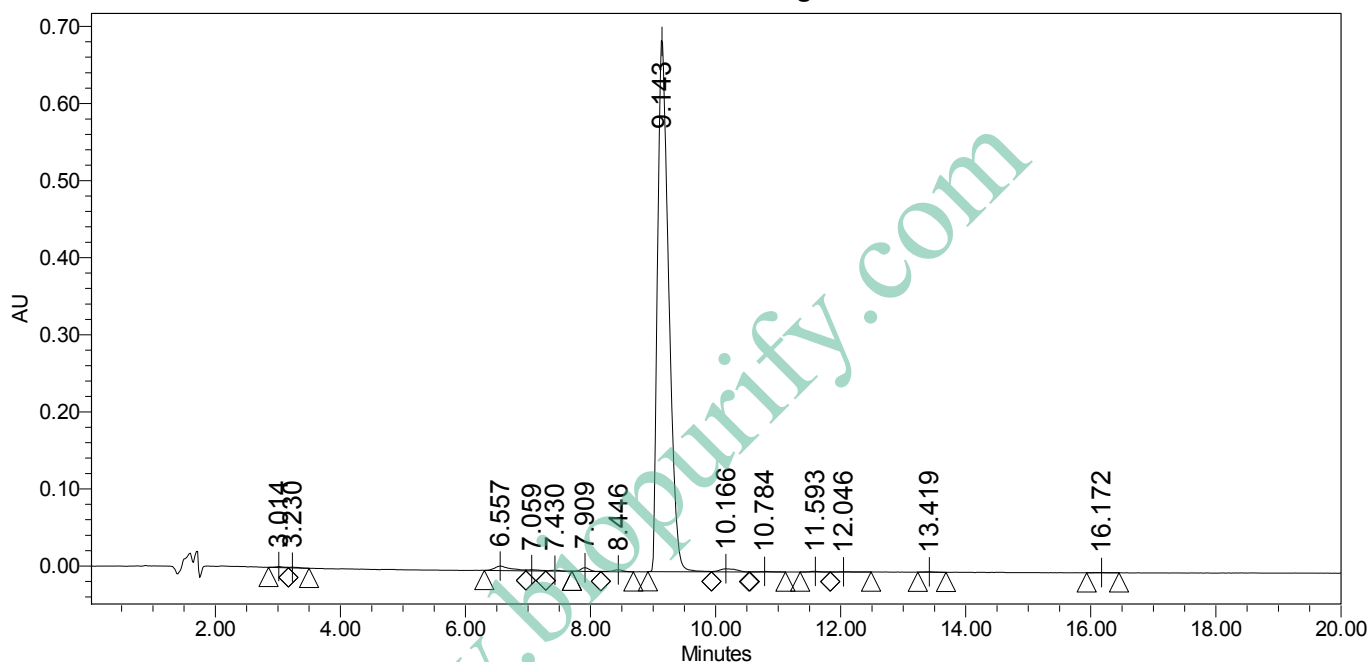
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# SAMPLE INFORMATION

|                   |                        |                     |                      |
|-------------------|------------------------|---------------------|----------------------|
| Sample Name:      | Theaflavin 3 gallate   | Acquired By:        | System               |
| Sample Type:      | Unknown                | Sample Set Name:    |                      |
| Vial:             | 66                     | Acq. Method Set:    | Theaflavin 3 gallate |
| Injection #:      | 1                      | Processing Method:  | Samples              |
| Injection Volume: | 10.00 ul               | Channel Name:       | 270.0nm              |
| Run Time:         | 20.0 Minutes           | Proc. Chnl. Descr.: | PDA 270.0 nm         |
| Date Acquired:    | 2016-8-18 15:46:48 CST |                     |                      |
| Date Processed:   | 2016-8-18 17:13:43 CST |                     |                      |

## Auto-Scaled Chromatogram



## Peak Results

|    | Name | RT     | Area    | % Area | USP Plate Count | USP Resolution |
|----|------|--------|---------|--------|-----------------|----------------|
| 1  |      | 3.014  | 14191   | 0.16   | 883.91          |                |
| 2  |      | 3.230  | 10703   | 0.12   |                 |                |
| 3  |      | 6.557  | 104078  | 1.17   | 4123.58         |                |
| 4  |      | 7.059  | 21474   | 0.24   |                 | 0.80           |
| 5  |      | 7.430  | 14179   | 0.16   | 6233.75         |                |
| 6  |      | 7.909  | 46579   | 0.52   | 16063.73        |                |
| 7  |      | 8.446  | 27101   | 0.30   | 12936.87        | 1.99           |
| 8  |      | 9.143  | 8568648 | 96.02  | 10620.46        | 2.18           |
| 9  |      | 10.166 | 74323   | 0.83   | 7116.91         | 2.50           |
| 10 |      | 10.784 | 11381   | 0.13   | 4792.94         | 0.96           |
| 11 |      | 11.593 | 10830   | 0.12   | 28772.17        | 1.36           |

**Peak Results**

|    | Name | RT     | Area | % Area | USP Plate Count | USP Resolution |
|----|------|--------|------|--------|-----------------|----------------|
| 12 |      | 12.046 | 7271 | 0.08   | 7786.62         | 1.46           |
| 13 |      | 13.419 | 9185 | 0.10   | 22660.87        | 3.54           |
| 14 |      | 16.172 | 4065 | 0.05   | 104237.87       | 7.45           |

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