

**产品分析证书**  
Certificate of Analysis

中文名称：西红花苷 I

English Name : Crocin I

别名(Alias): alpha-Crocin; Crocin; Gardenin

产品编码(Cat. No.):BP0406

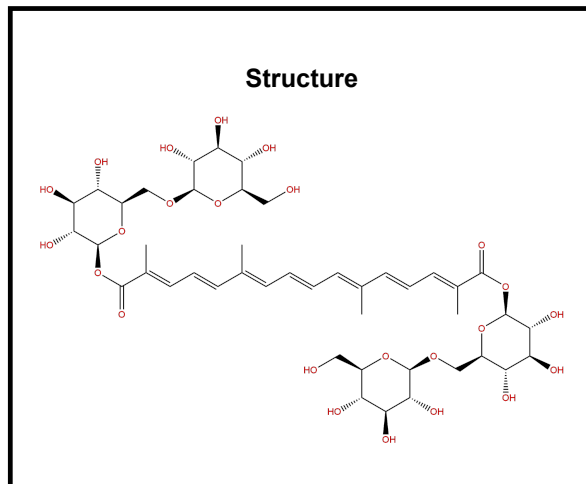
CAS Number: 42553-65-1

分子式(M. F.): C<sub>44</sub>H<sub>64</sub>O<sub>24</sub>

分子量(M. W.): 976.972

批号(Batch No.): PRF8103001

报告日期(Report date): 2017-10-31



**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               | Purple red powder         | Purple red powder |
| 纯度Purity (HPLC-DAD,440nm)* | ≥98.0%                    | 98.40%            |
| 质谱Mass                     | 976.9±1                   | Conforms          |
| 核磁NMR                      | Comply with the structure | Conforms          |
| 水分Water Content            | < 5.0%                    | 4.05%             |

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

检测方法 ( Test Method ) : Column: Thermo HyPURITY C18 , 4.6\*150mm , 3.0um; Column temperature: 30°C; Detection Mode:

UV440nm; Flow Rate: 1.0ml/min; Sample dissolution: 10% DMF in methanol; Mobile Phase: A, 0.1% Phosphoric acid in water B, Methanol; Gradient elution: B, 38%-50%,20min.

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 (2019-10-30) under conditions list above.

QC: Zhang Ling

Date: 2017-10-31

QA: Wu Qi

Date: 2017-10-31

备注(Remarks): The sample solutions should be prepared 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°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.

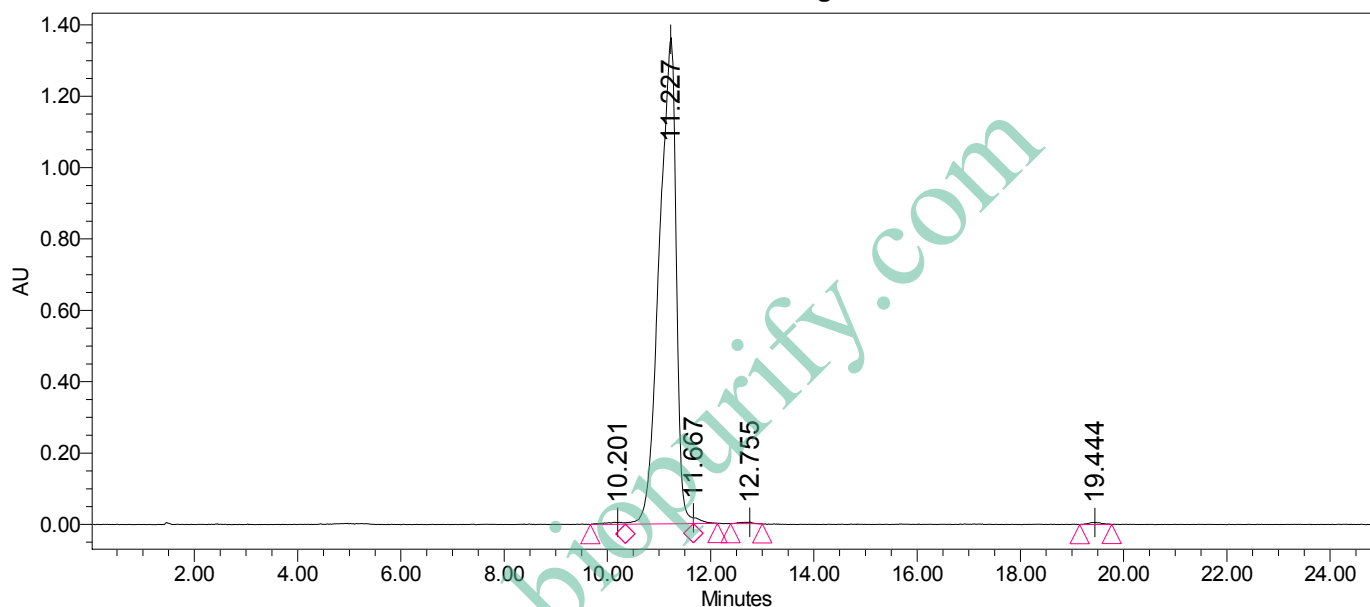
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http://www.phytopurify.com Email: sales@biopurify.com biopurify@gmail.com

## SAMPLE INFORMATION

|                   |                         |                     |              |
|-------------------|-------------------------|---------------------|--------------|
| Sample Name:      | Crocin I PRF8103001     | Acquired By:        | System       |
| Sample Type:      | Unknown                 | Sample Set Name:    |              |
| Vial:             | 4                       | Acq. Method Set:    | Crocin I     |
| Injection #:      | 2                       | Processing Method:  | Samples      |
| Injection Volume: | 10.00 ul                | Channel Name:       | 440.0nm      |
| Run Time:         | 25.0 Minutes            | Proc. Chnl. Descr.: | PDA 440.0 nm |
|                   |                         |                     |              |
| Date Acquired:    | 2017-10-31 11:01:56 CST |                     |              |
| Date Processed:   | 2017-10-31 12:34:58 CST |                     |              |

### Auto-Scaled Chromatogram



### Peak Results

|   | Name | RT     | Area     | % Area | USP Plate Count | USP Resolution |
|---|------|--------|----------|--------|-----------------|----------------|
| 1 |      | 10.201 | 148553   | 0.47   |                 |                |
| 2 |      | 11.227 | 30826994 | 98.40  | 4911.0          |                |
| 3 |      | 11.667 | 184454   | 0.59   |                 | 0.7            |
| 4 |      | 12.755 | 71159    | 0.23   | 7250.0          | 2.2            |
| 5 |      | 19.444 | 97287    | 0.31   | 34233.6         | 14.4           |