

产品分析证书  
Certificate of Analysis

中文名称: 藏红花酸二钠盐

English Name: Trans Sodium Crocetinate

别名 (Alias): Disodium trans-crocetinate

产品编码 (Cat. No.): BP2023

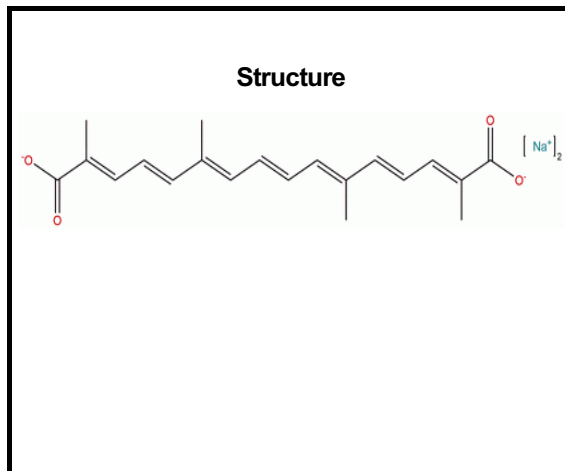
CAS Number: 591230-99-8

分子式 (M. F.): C<sub>20</sub>H<sub>22</sub>Na<sub>2</sub>O<sub>4</sub>

分子量 (M. W.): 372.372

批号 (Batch No.): PRF8030202

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                | Orange powder             | Orange powder  |
| 纯度 Purity (HPLC-DAD, 326nm)* | ≥98.0%                    | 99.51%         |
| 质谱 Mass                      | 372.372±1                 | Conforms       |
| 核磁 NMR                       | Comply with the structure | Conforms       |
| 水分 Water Content             | <3.0%                     | 2.1%           |

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

检测方法 (Test Method): Column: Thermo BDS Hypersil C18, 4.6\*100mm, 2.4um; Column temperature: 30°C; Detection Mode: UV326nm; Flow

Rate: 0.8ml/min; Sample dissolution: 50% DMF in Water; Mobile Phase: A, 0.1% TFA in Water; B, Acetonitrile; Gradient elution: B, 40%-55%, 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 (2019-03-01) 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°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.

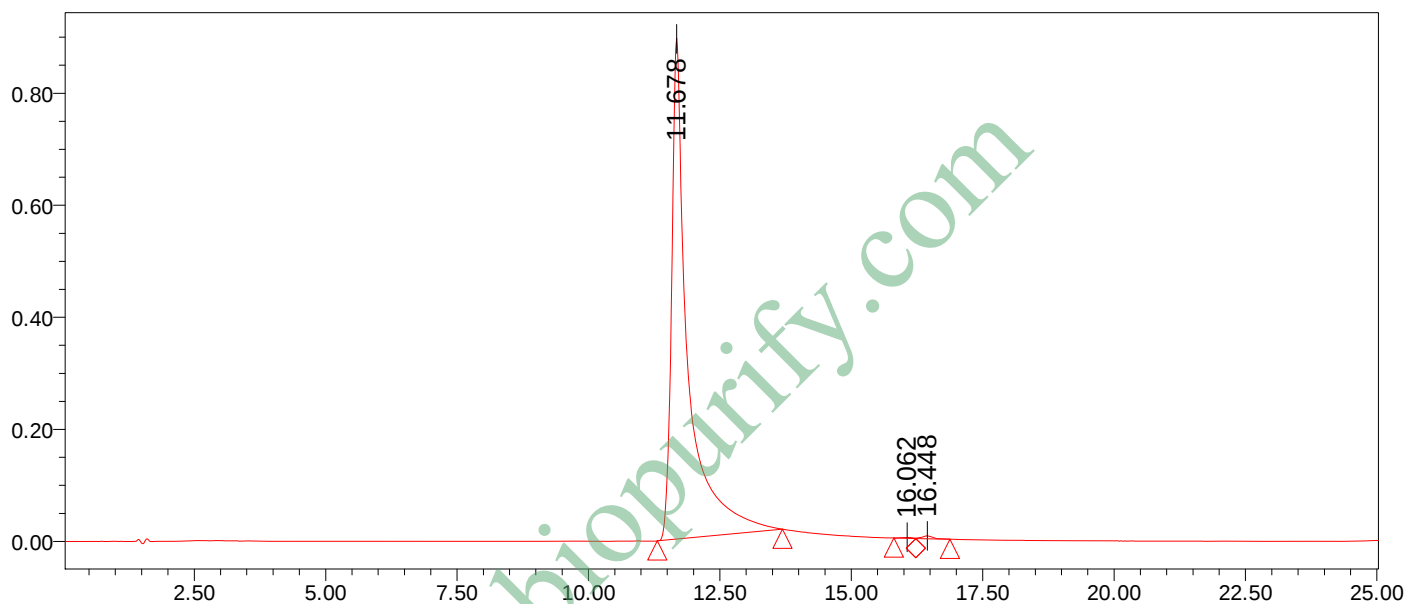
Tel: +86-28-82633397 Fax: +86-28-82633165

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

# SAMPLE INFORMATION

|                   |                        |                     |                        |
|-------------------|------------------------|---------------------|------------------------|
| Sample Name:      | Crocetin disodium salt | Acquired By:        | System                 |
| Sample Type:      | Standard               | Sample Set Name:    |                        |
| Vial:             | 95                     | Acq. Method Set:    | Crocetin disodium salt |
| Injection #:      | 1                      | Processing Method:  | Samples                |
| Injection Volume: | 7.00 ul                | Channel Name:       | 430.0nm                |
| Run Time:         | 25.0 Minutes           | Proc. Chnl. Descr.: | PDA 430.0 nm           |
| Date Acquired:    | 2017-3-2 14:57:22 CST  |                     |                        |
| Date Processed:   | 2017-3-2 15:29:08 CST  |                     |                        |

## Auto-Scaled Chromatogram



## Peak Results

|   | RT     | Area     | % Area | USP Plate Count | USP Resolution |
|---|--------|----------|--------|-----------------|----------------|
| 1 | 11.678 | 19474563 | 99.51  | 12039.45        |                |
| 2 | 16.062 | 23942    | 0.12   | 27362.08        | 10.02          |
| 3 | 16.448 | 71351    | 0.36   | 32892.40        | 1.00           |