

产品分析证书 Certificate of Analysis

中文名称: 藏红花酸

English Name: Crocetin

别名 (Alias): trans-Crocetin; alpha-Crocetin

产品编码 (Cat. No.): BP0405

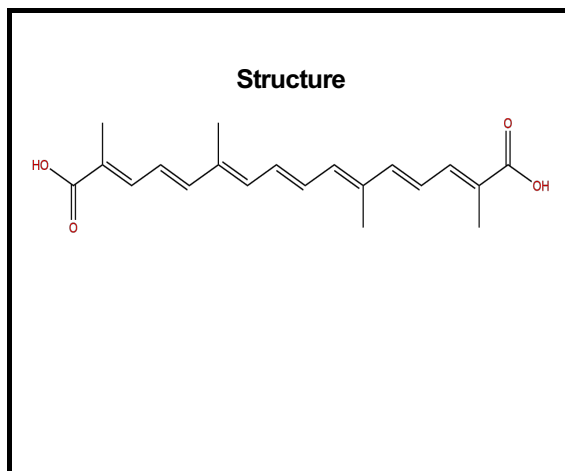
CAS Number: 27876-94-4

分子式 (M. F.): C₂₀H₂₄O₄

分子量 (M. W.): 328.408

批号 (Batch No.): PRF8042401

报告日期 (Report date): 2017-04-24



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
纯度 Purity (HPLC-DAD, 432nm)*	≥98.0%	99.32%
质谱 Mass	328.4±1	Conforms
核磁 NMR	Comply with the structure	Conforms
水分 Water Content	<3.0%	2.09%

* 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, 2.4μm; Column temperature: 30°C; Detection Mode: UV432nm;

Flow Rate: 0.8ml/min; Sample dissolution: 50% DMF in methanol; 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 (2019-04-23) under conditions list above.

QC: Zhang Ling

Date: 2017-04-24

QA: Wu Qi

Date: 2017-04-24

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.



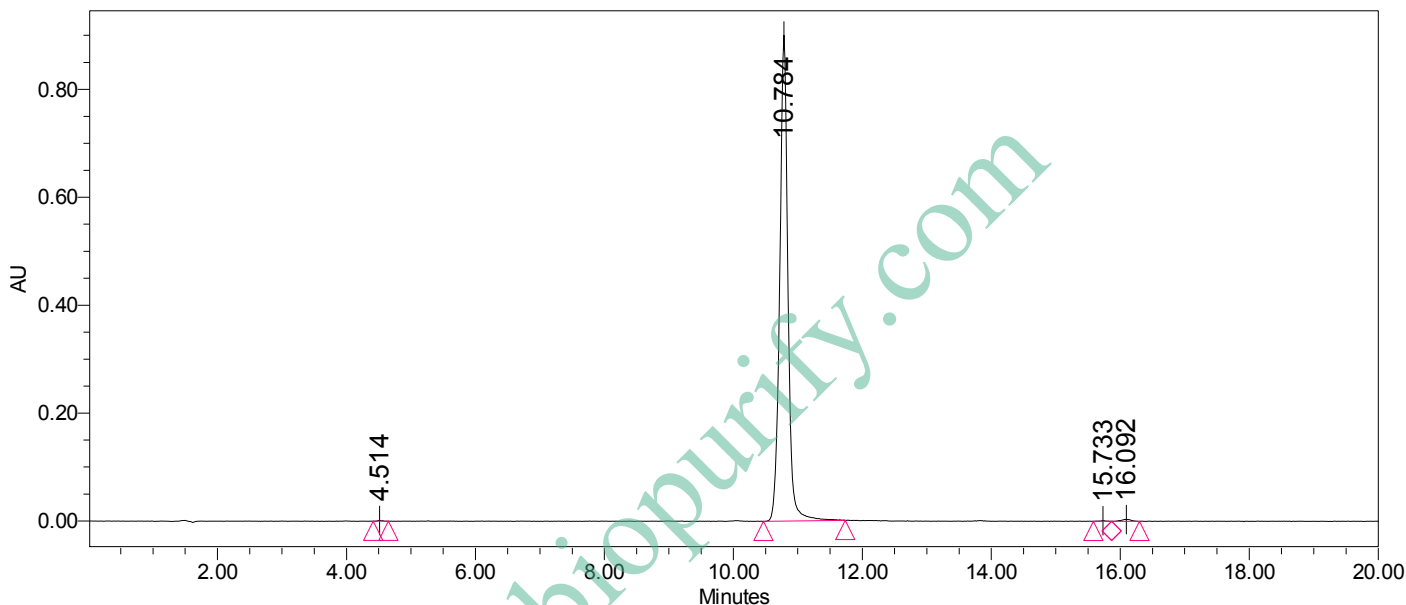
Tel: +86-28-82633397 Fax: +86-28-82633165

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

SAMPLE INFORMATION

Sample Name:	Crocetin PRF8042401	Acquired By:	System
Sample Type:	Unknown	Sample Set Name:	
Vial:	18	Acq. Method Set:	Crocetin
Injection #:	1	Processing Method:	Samples
Injection Volume:	5.00 ul	Channel Name:	432.0nm
Run Time:	20.0 Minutes	Proc. Chnl. Descr.:	PDA 432.0 nm
Date Acquired:	2017-4-24 9:55:54 CST		
Date Processed:	2017-4-24 10:31:42 CST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		4.514	6477	0.08	8498.6	
2		10.784	7968192	99.32	37330.4	34.0
3		15.733	9513	0.12	29081.8	16.4
4		16.092	38309	0.48	71838.6	1.1