

产品分析证书
Certificate of Analysis

中文名称：表儿茶素

English Name：Epicatechin

别名(Alias): Epicatechol; Teacatechin I; Acacatechin;
Kakaol; Colatein

产品编码(Cat. No.):BP0538

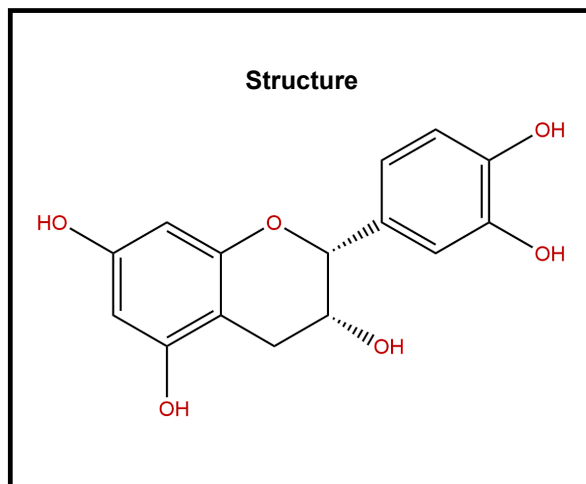
CAS Number: 490-46-0

分子式(M. F.): C₁₅H₁₄O₆

分子量(M. W.): 290.271

批号(Batch No.): PRF8082842

报告日期(Report date): 2017-08-28



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%	1.2%
纯度Purity (HPLC-DAD,280nm)*	≥98.0%	99.41%
质谱Mass	290.2±1	Conforms
核磁NMR	Comply with the structure	Conforms
比旋度SOR	-(52±3)°	-52.8°

* 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: UV280nm;

Flow Rate: 1.0ml/min; Sample dissolution:Water; Mobile Phase: A, 0.004% phosphoric acid in water B, Acetonitrile;Isocratic elution: B, 10%.

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

复测期 (Retest date) :two years (2019-08-27) under conditions list above.

QC: Zhang Ling

Date: 2017-08-28

QA: Wu Qi

Date: 2017-08-28

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.

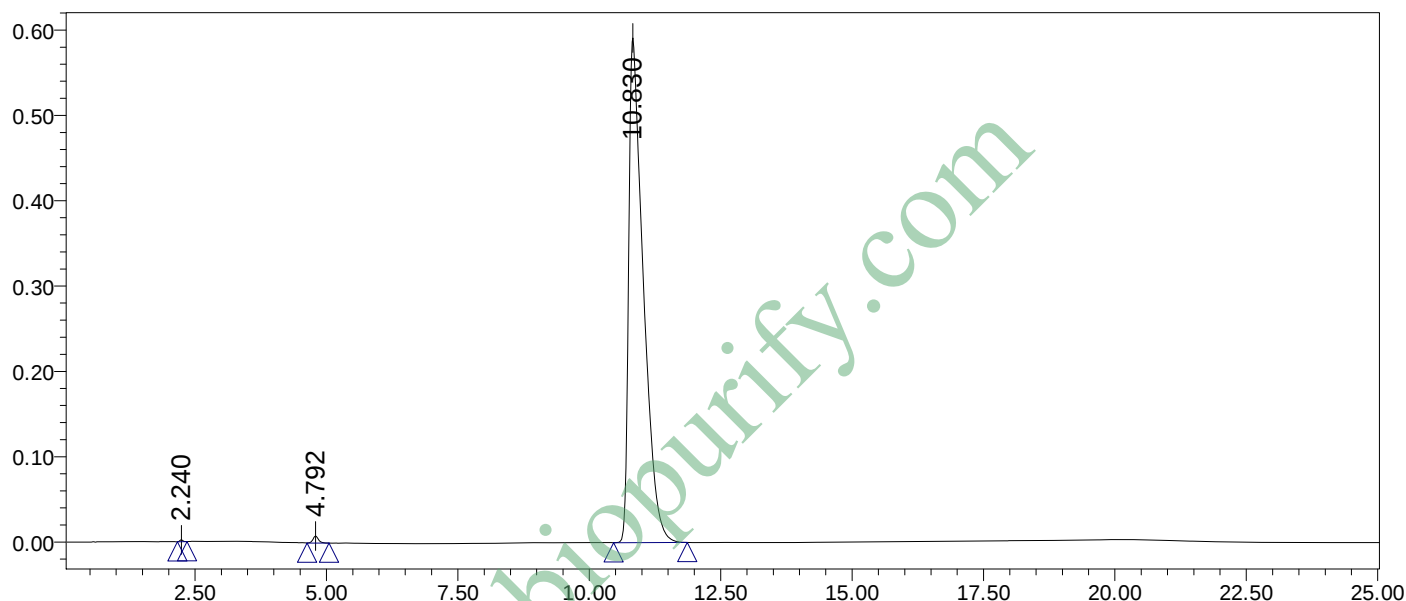
Tel: +86-28-82633397 Fax: +86-28-82633165

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

SAMPLE INFORMATION

Sample Name:	Epicatechin	Acquired By:	System
Sample Type:	Standard	Sample Set Name:	
Vial:	50	Acq. Method Set:	Epicatechin
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	280.0nm
Run Time:	25.0 Minutes	Proc. Chnl. Descr.:	PDA 280.0 nm
Date Acquired:	2017-8-28 13:00:58 CST		
Date Processed:	2017-8-28 13:35:56 CST		

Auto-Scaled Chromatogram



Peak Results

	RT	Area	% Area	USP Plate Count	USP Resolution
1	2.240	9509	0.08	6129.29	
2	4.792	58904	0.51	10116.81	16.50
3	10.830	11440269	99.41	6447.21	16.11