

产品分析证书
Certificate of Analysis

中文名称: 原阿片碱

English Name: Protopine

别名 (Alias): Fumarine; Corydalis C; Corydine; Biflorine;
Macleynine

产品编码 (Cat. No.): BP1158

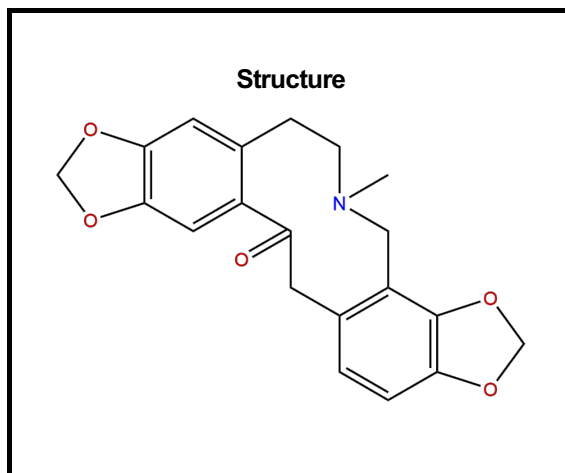
CAS Number: 130-86-9

分子式 (M. F.): C₂₀H₁₉NO₅

分子量 (M. W.): 353.374

批号 (Batch No.): PRF8050927

报告日期 (Report date): 2017-05-09



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%	1.44%
纯度 Purity (HPLC-DAD, 287nm)*	≥98.0%	99.17%
质谱 Mass	353.3±1	Conforms
核磁 NMR	Comply with the structure	Conforms

* 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: UV287nm;

Flow Rate: 0.8ml/min; Sample dissolution: 80% Methanol in water; Mobile Phase: A Triethylamine- Phosphoric acid in Water (PH=4) B, Acetonitrile;

Gradient elution: B, 10%-25%, 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 (2019-05-08) under conditions list above.

QC: Zhang Ling
Date: 2017-05-09

QA: Wu Qi
Date: 2017-05-09

备注 (Remarks): The sample solutions should be prepared and used as soon as possible. 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.

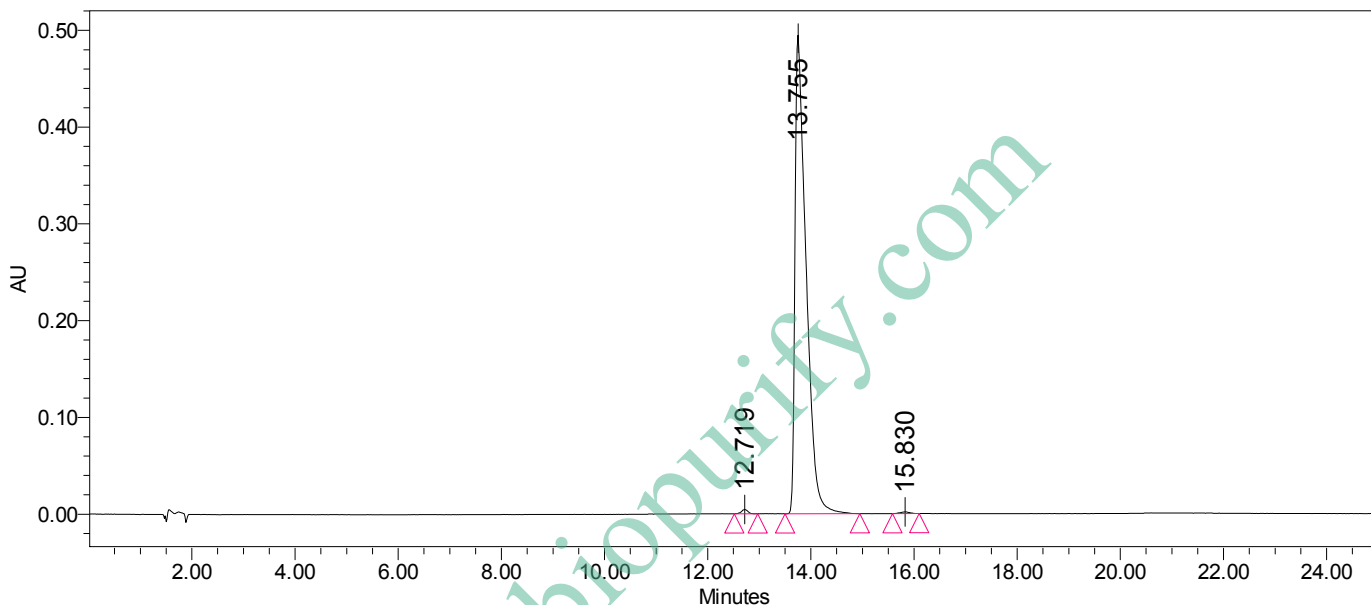
Tel: +86-28-82633397 Fax: +86-28-82633165

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

SAMPLE INFORMATION

Sample Name:	Protopine PRF8050927	Acquired By:	System
Sample Type:	Unknown	Sample Set Name:	
Vial:	97	Acq. Method Set:	Protopine
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	287.0nm
Run Time:	25.0 Minutes	Proc. Chnl. Descr.:	PDA 287.0 nm
Date Acquired:	2017-5-9 15:22:34 CST		
Date Processed:	2017-5-9 15:56:18 CST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		12.719	38875	0.52	47423.3	
2		13.755	7368132	99.17	17522.3	3.1
3		15.830	22597	0.30	29299.1	5.3