

产品分析证书
Certificate of Analysis

中文名称: 四氢黄连碱

English Name: Tetrahydrocoptisine

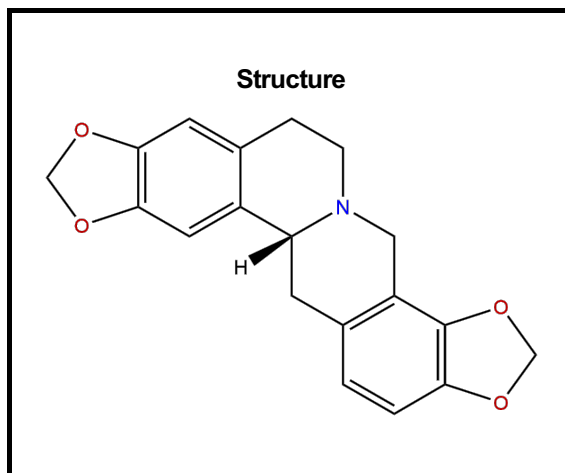
别名 (Alias): (-)-TETRAHYDROCOPTISCINE; (-)-TETRAHYDROCOPTISINE; TETRAHYDROCOPTISINE; (-)-STYLOPINE; STYLOPINE, (-)-; 4H-Bis[1,3]benzodioxolo[5,6-a:4',5'-g]quinolizine, 6,7,12b,13-tetrahydro-; Chelidamine

产品编码 (Cat. No.): BP3385

CAS Number: 4312-32-7

分子式 (M. F.): C₁₉H₁₇NO₄

分子量 (M. W.): 323.34258



批号 (Batch No.): PRF8070621

报告日期 (Report date): 2017-07-06

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 cotton-like solid	Off-white cotton-like solid
干燥失重 Loss on drying	<3.0%	1.35%
纯度 Purity (HPLC-DAD, 289nm)*	≥98.0%	99.85%
质谱 Mass	323.3±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 HYPURITY C18, 4.6*150mm, 3.0um; Column temperature: 30°C; Detection Mode: UV289nm; Flow Rate: 1.0ml/min;

Sample dissolution: Methanol heating; Mobile Phase: A, Triethylamine- Phosphoric acid in Water (PH=7) B, Acetonitrile; Gradient elution: B, 50%-60%, 15min.

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

复测期 (Retest date): 2 years (2019-07-05) under conditions list above.

QC: Zhang Ling

Date: 2017-07-06

QA: Wu Qi

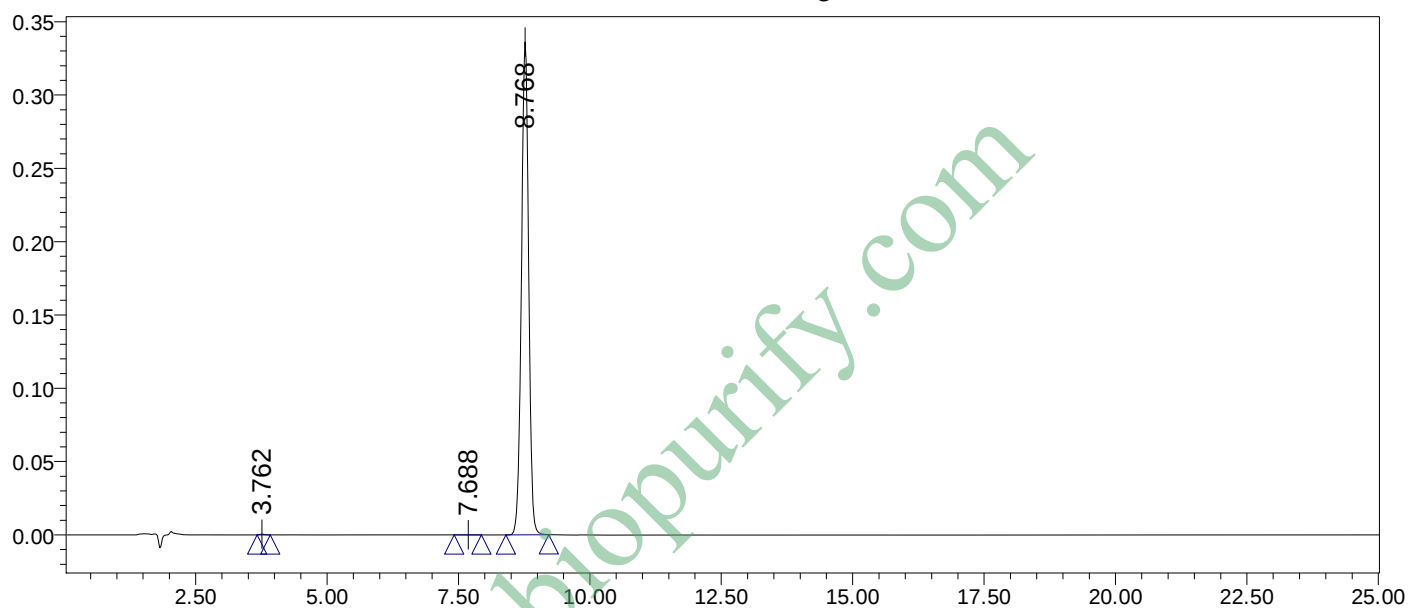
Date: 2017-07-06

备注 (Remarks): The sample solutions should be prepared and used immediately. 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.

SAMPLE INFORMATION

Sample Name:	Tetrahydrocoptisine PRF8070621	Acquired By:	System
Sample Type:	Standard	Sample Set Name:	
Vial:	76	Acq. Method Set:	Tetrahydrocoptisine
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	289.0nm
Run Time:	25.0 Minutes	Proc. Chnl. Descr.:	PDA 289.0 nm
Date Acquired:	2017-7-6 13:58:48 CST		
Date Processed:	2017-7-6 14:27:24 CST		

Auto-Scaled Chromatogram



Peak Results

	RT	Area	% Area	USP Plate Count	USP Resolution
1	3.762	2434	0.08	11610.45	
2	7.688	2361	0.07	14324.88	19.86
3	8.768	3205929	99.85	19565.30	4.25