Supplemental Materials 3- Certificates of analysis of Kukoamine A & B

Antioxidant and Cytoprotective Effects of Kukoamines A and B: Comparison and Positional Isomeric Effect

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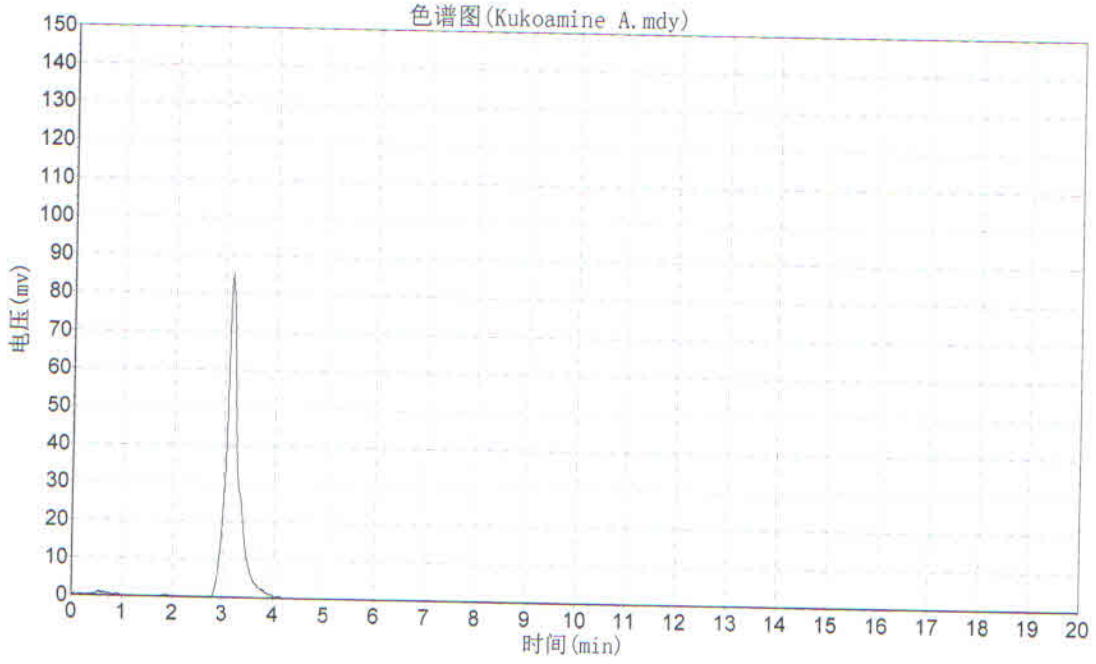
Kukoamine A 0.1mg/mL

实验时间：2017-12-27,19:28:10
谱图文件:C:\浙大智达\N2000\样品\Kukoamine A.mdy

实验者：
报告时间：2017-12-27,19:28:23
积分方法:面积归一法



分析结果表

峰号	峰名	保留时间	峰高	峰面积	含量
1		3.140	84752.164	1447065.125	97.7033
2		7.207	2707.512	34015.887	2.2967
总计			87459.677	1481081.012	100.0000

Column Type: Agilent 5 TC-C18 250*4.6 mm column
Mobile Phases: Acetonitrile 10 %, 0.1% phosphoric acid in water 90%
Flow Rate: 1 mL/min
Detection Mode and Setting: UV280nm
Sample Diluent(s): Water
Sample Concentration: Approx 100μg/ml
Injection Volume: 10μl
Calculation: Area percent normalization

产品分析证书
Certificate of Analysis

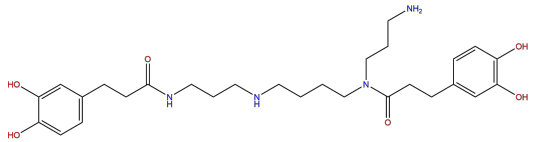
中文名称：地骨皮乙素

English Name：Kukoamine B
别名(Alias):

产品编码(Cat. No.):BP0834
CAS Number: 164991-67-7
分子式(M. F.): C28H42N4O6
分子量(M. W.): 530.666

批号(Batch No.): PRF7090543
报告日期(Report date): 2016/9/5

Structure



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	Brown powder	Brown powder
干燥失重Loss on drying	＜3.0%	1.6%
纯度Purity (HPLC-DAD,280nm)*	≥98.0%	98.37%
质谱Mass	530.666±1	Conforms
核磁NMR	Comply with the structure	Conforms

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

贮存条件（Storage）:2~8℃

复测期（Retest date）:two years (2018-09-04) under conditions list above.

备注（Remarks）：如遇质量问题，请于收到产品之日起 15 日内与我们联系。

In case of quality issue, please contact us within 15 days after receipt of the product.

QC: Zhang Ling

Chengdu Biopurify Phytochemicals Ltd. 成都普瑞法科技开发有限公司 质检专用章 Quality Approval Seal

Date: 2016年9月5日

QA: Wu Qi

Date: 2016年9月5日

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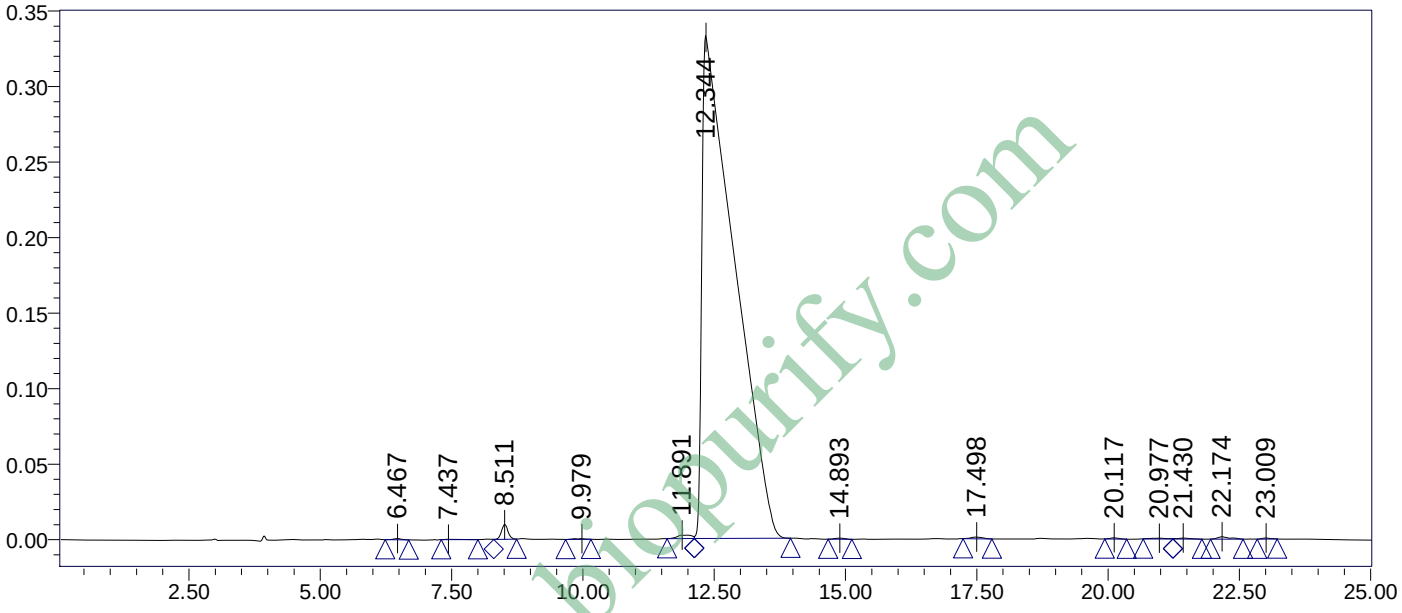
http://www.biopurify.com　Email：sales@biopurify.com　biopurify@gmail.com

SAMPLE INFORMATION

Sample Name:	Kukoamine B	Acquired By:	System
Sample Type:	Unknown	Sample Set Name:	
Vial:	80	Acq. Method Set:	Kukoamine B
Injection #:	1	Processing Method:	sample
Injection Volume:	25.00 ul	Channel Name:	280.0nm
Run Time:	25.0 Minutes	Proc. Chnl. Descr.:	PDA 280.0 nm
Date Acquired:	2016-9-5 15:30:07 CST		
Date Processed:	2016-9-5 16:00:00 CST		

Auto-Scaled Chromatogram



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Peak Results

	RT	Area	% Area	USP Plate Count	USP Resolution
1	6.467	7698	0.05	9880.10	
2	7.437	6533	0.05	12612.73	3.49
3	8.511	84363	0.58	22082.73	4.16
4	9.979	7103	0.05	10648.22	4.82
5	11.891	43453	0.30		5.07
6	12.344	14265565	98.37	1322.88	0.52
7	14.893	9442	0.07	25819.36	2.91
8	17.498	16548	0.11	35136.74	6.79
9	20.117	7544	0.05	89823.87	7.86
10	20.977	12222	0.08	33258.57	2.17

Peak Results

	RT	Area	% Area	USP Plate Count	USP Resolution
11	21.430	9802	0.07	41853.68	0.94
12	22.174	24307	0.17	63089.30	1.77
13	23.009	7182	0.05	111995.08	2.45

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