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Certificate of Analysis

Product Name: Sanguinarine

Other Name:

Catalogue No.: BP1253

Batch No.: 13060702

Reported Date: 2013-06-07

CAS Number: 2447-54-3

Mol. Formula: C₂₀H₁₄NO₄⁺

Mol. Weight: 332.334

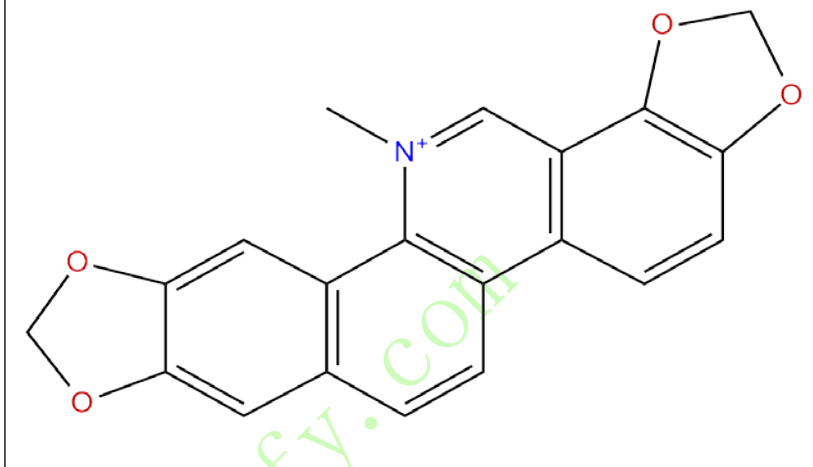
Botanical Source: Papaveraceae

Type of compound:

Identification Method: Mass, NMR

Analysis Method of Purity: HPLC-DAD

Structure:



Analytical result:

Test	Specification	Results
Appearance	Pink powder	Pink powder
Loss on drying	<3.0%	1.6%
Purity (HPLC, 275nm)*	≥98.0%	99.30%

* Please find HPLC chromatography attached.

Package: Brown vial or HDPE Plastic Bottle

Storage: Cool and Dry place, protected from light, keep package airproofed when not in use.

Expiration: two years (2015-06-07) under conditions list above.

QC: *Meng Pan*

Date: 2013-06-07

QA: *Lianglei Zhang*

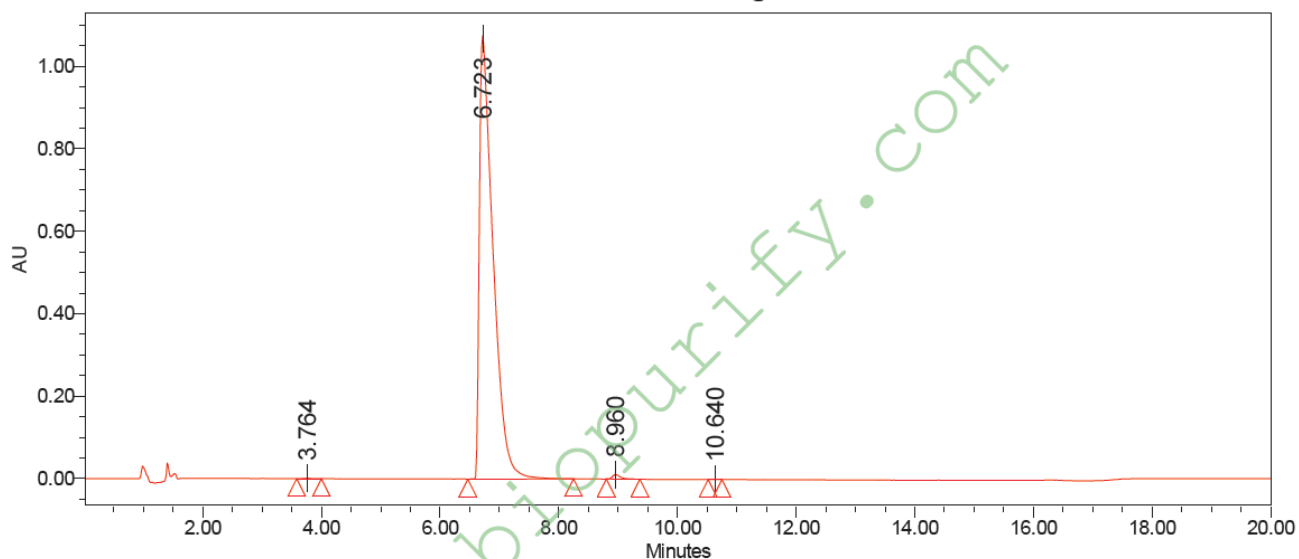
Date: 2013-06-07



SAMPLE INFORMATION

Sample Name:	Sanguinarine13060702	Acquired By:	panmeng
Sample Type:	Unknown	Sample Set Name:	
Vial:	1:A, 1	Acq. Method Set:	Sanguinarine
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	275.0nm
Run Time:	20.0 Minutes	Proc. Chnl. Descr.:	PDA 275.0 nm
Date Acquired:	6/7/2013 10:01:38 AM CST		
Date Processed:	6/7/2013 10:31:42 AM CST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		3.764	13102	0.08	4485.72	
2		6.723	17252573	99.30	3651.19	8.66
3		8.960	105228	0.61	23206.96	6.38
4		10.640	3285	0.02	44452.63	7.57