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Chengdu Herbpurify CO., LTD

成都瑞芬思生物科技有限公司

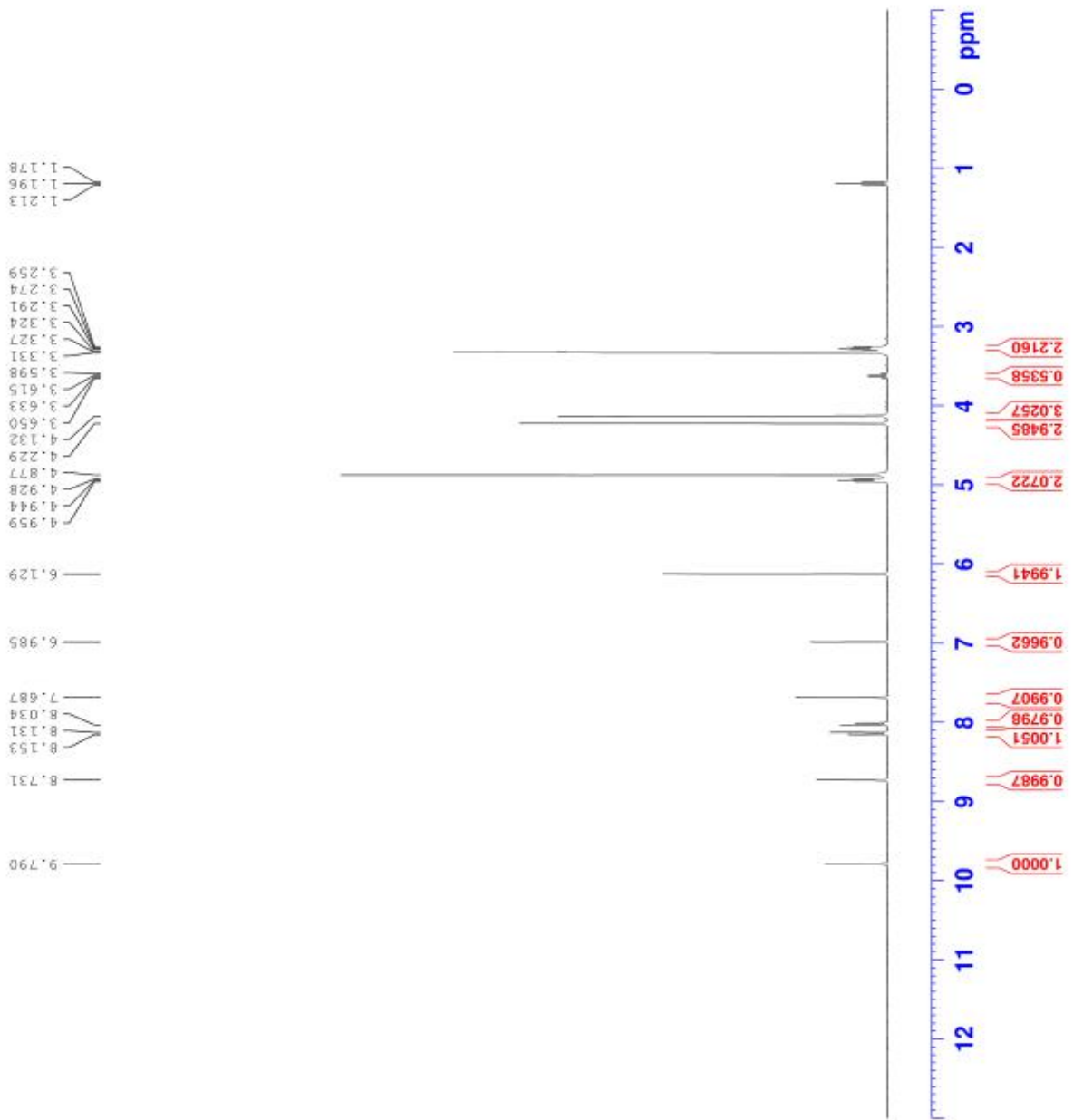


Current Data Parameters
 NAME: RFS-51AOP011A0-H1-MeOH-20170420
 EXPNO: 10
 PROCNO: 1

F2 - Acquisition Parameters
 Date_: 20170420
 Time: 16.26
 INSTRUM: spect
 PULPROG: zgpg30
 PROCNO: 10
 TD: 65536
 SOLVENT: MeOH
 NS: 16
 DS: 2
 SWH: 8223.685 Hz
 FIDRES: 0.125403 Hz
 AQ: 3.9845381 sec
 RG: 327.4
 CW: 50.800 usec
 DK: 8.000 usec
 TE: 298.0 K
 D1: 1.00000000 sec
 TDO: 1

***** CHANNEL f1 *****
 NUCL1: 1H
 P1: 12.00 usec
 PL1: 0.00 dB
 SFO1: 400.142013 MHz

F2 - Processing parameters
 SI: 65536
 SF: 400.1400000 MHz
 MDW: EN
 SSB: 0
 LB: 0.30 Hz
 GB: 0
 PC: 1.00





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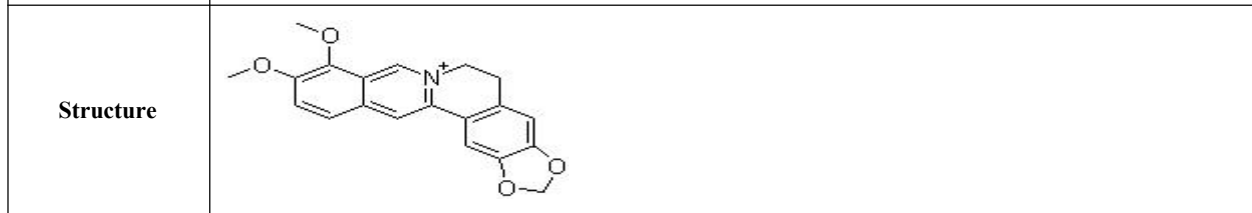
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Batch NO: X-045-160329

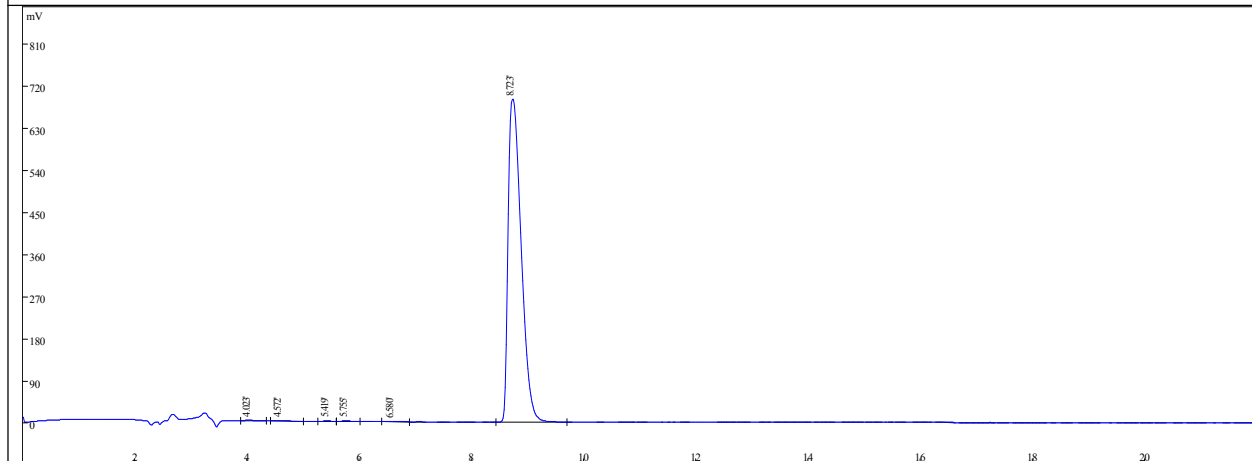
Certificate Of Analysis

Chinese Name	小檗碱	Botanical Source	Coptis chinensis
English Name	Berberine	CAS Number	2086-83-1
Mol. Formula	C ₂₀ H ₁₈ NO ₄	Mol. Weight	336.37
Solubility	Methanol	Appearance	Yellow powder
Loss on drying	≤2.0%	Purity	99.56%

QC HPLC: 乙腈: 0.033mol/ml 磷酸二氢钾 (0.5%三乙胺磷酸调 PH3.0) =33:67 波长 265nm



Berberine HPLC



Peak#	Ret time[min]	Area%	Area	Height	Resolution	N	Effective plate number	T
1	4.023	0.1141	11996	1887	2.46	9343	0	1.07
2	4.572	0.04409	4634	443	3.42	4458	65	0.76
3	5.419	0.08403	8831	1083	1.52	10305	685	1.13
4	5.755	0.1205	12661	1495	3.33	10775	977	1.06
5	6.580	0.07699	8092	795	6.36	9752	1473	0.92
6	8.723	99.56	10463509	690806	0.00	7740	2248	1.77

Total 100 10509723 696509

Storage	Stored without light and heat. Stored in cool, dry, airproof and innocuous conditions
Remarks	即配即用, 仅限于实验时使用, 不能用于人体。 如遇质量问题, 请于收到产品之日起 15 日内与我们联系。 Namely with the use, only in the experimental use, can not be used for the human body. In case of quality problems, please contact us within 15 days from the date of receipt of the product.

Review date : 2016-03-29

Report date : 2016-03-29

Operator: Chenli

Q.C manager: Zhengxin