

产品分析证书
Certificate of Analysis

中文名称: 黄芩素

English Name: Baicalein

别名 (Alias): 5,6,7-Trihydroxyflavone; Noroxylin

产品编码 (Cat. No.): BP0232

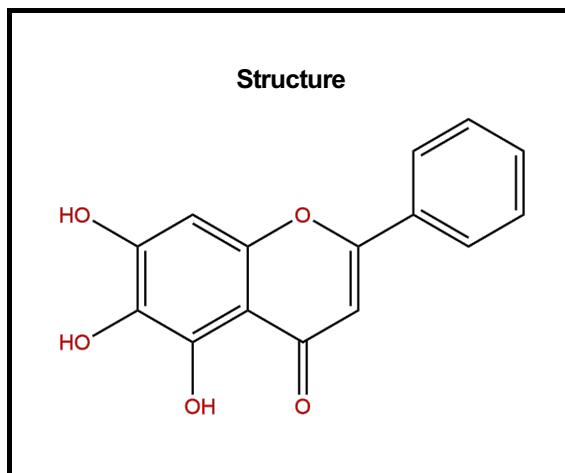
CAS Number: 491-67-8

分子式 (M. F.): C₁₅H₁₀O₅

分子量 (M. W.): 270.24

批号 (Batch No.): PRF8020642

报告日期 (Report date): 2017年2月6日



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	Yellow powder	Yellow powder
纯度 Purity (HPLC-DAD, 275nm)*	≥98.0%	99.30%
质谱 Mass	270.2±1	Conforms
核磁 NMR	Comply with the structure	Conforms
水分 Water Content	<3.0%	0.9%

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

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

复测期 (Retest date): two years (2019-02-05) under conditions list above.

QC: Zhang Ling

Date: 2017年2月6日



QA: Wu Qi

Date: 2017年2月6日

备注 (Remarks): The sample solutions should be prepared and used on the same day, it is 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℃. 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

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TEL: 028-82633987 FAX: 028-82633165
E-mail: biopurify@gmail.com sales@biopurify.com
Web: www.biopurify.com

Certificate of Analysis

Product Name: Chrysin

Other Name: Chrysinic acid

Catalogue No.: BP0346

Batch No.: PRF7080712

Report date: 2016-08-07

CAS Number: 480-40-0

Mol. Formula: C₁₅H₁₀O₄

Mol. Weight: 254.24

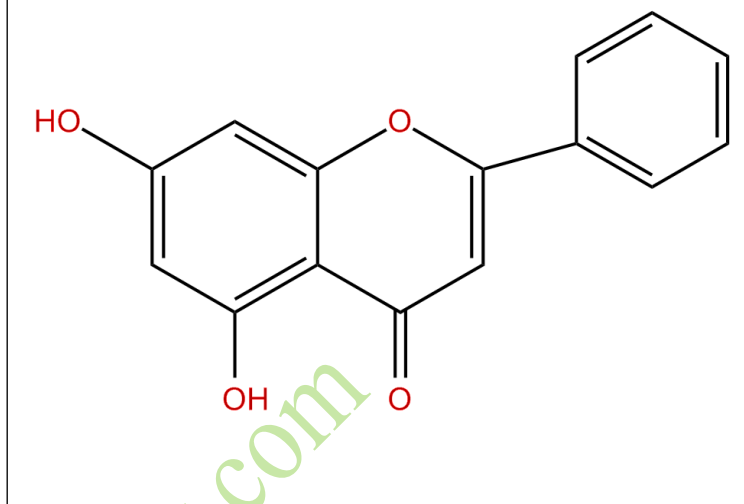
Botanical Source: Ulmus sieboldiana

Type of compound:

Identification Method: Mass, NMR

Analysis Method of Purity: HPLC-DAD

Structure:



Analytical result:

Test	Specification	Results
Appearance	Yellow Powder	Yellow Powder
Loss on drying	<3.0%	1.9%
Purity (HPLC,268 nm)*	≥98.0%	99.77%

* 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 (2018-08-07) under conditions list above.

QC: *Meng Pan*

Date: 2016-08-07

QA: *Lianglei Zhang*

Date: 2016-08-07

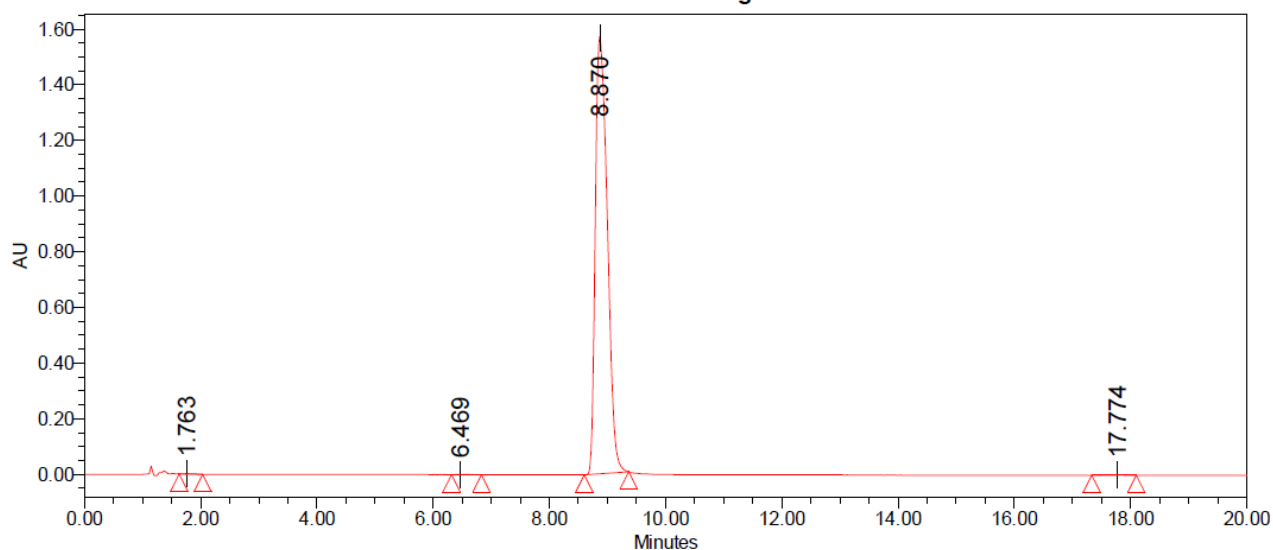


Chengdu Biopurify Phytochemicals Ltd

SAMPLE INFORMATION

Sample Name:	Chrysin PRF7080712	Acquired By:	panmeng
Sample Type:	Unknown	Sample Set Name:	
Vial:	1:E,7	Acq. Method Set:	Chrysin
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	268.0nm
Run Time:	20.0 Minutes	Proc. Chnl. Descr.:	PDA 268.0 nm
Date Acquired:	2016-8-7 16:43:53 CST		
Date Processed:	2016-8-7 17:06:13 CST		

Auto-Scaled Chromatogram



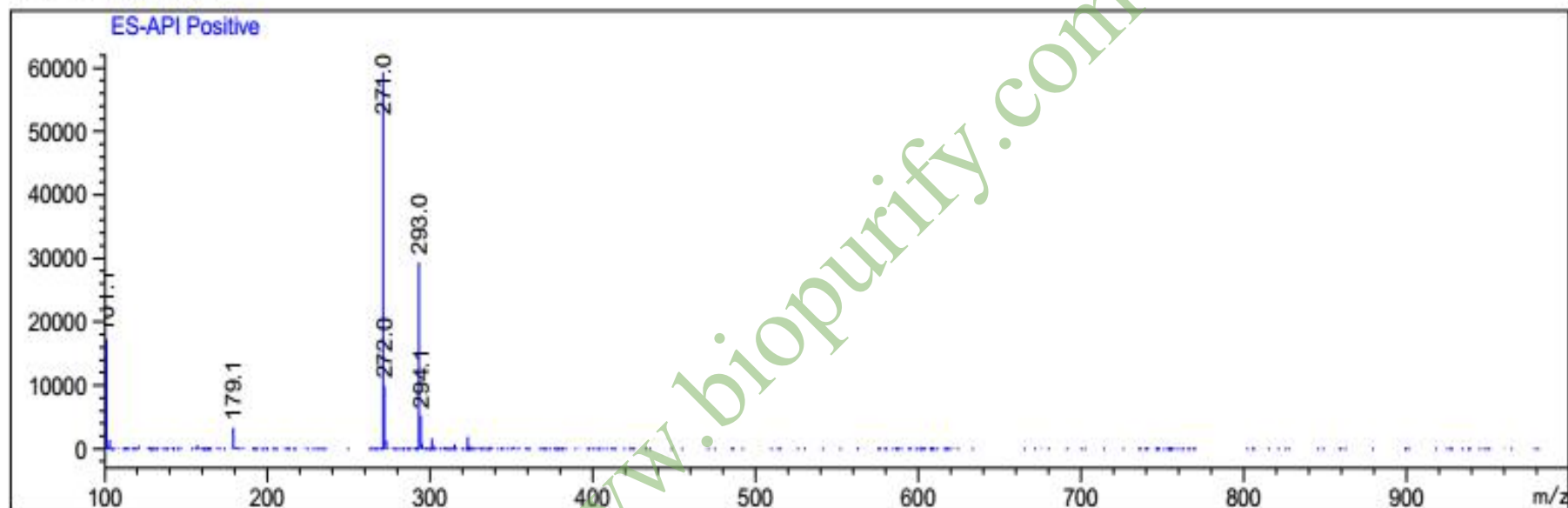
Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		1.763	20040	0.09	2371.72	
2		6.469	15698	0.07	4882.74	6.31
3		8.870	22526451	99.77	8681.83	7.16
4		17.774	15678	0.07	30397.12	9.46

EM=270

8020642-LCMS Scan ESI+

Ret. Time: 3.80

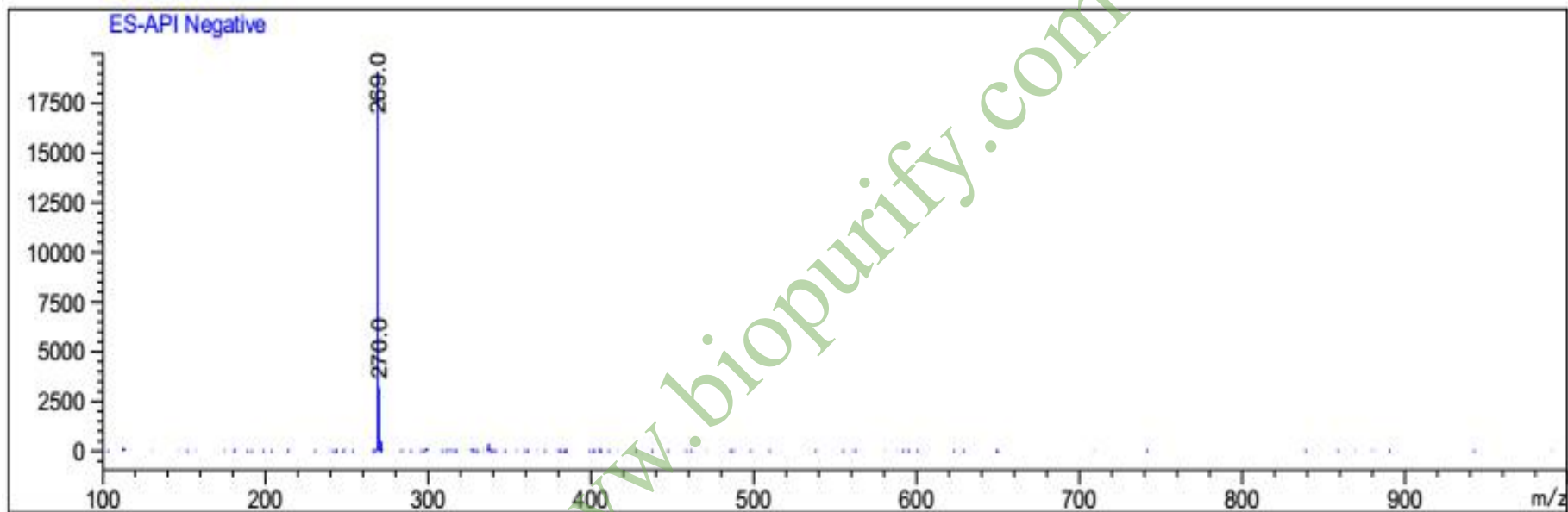


EM=270

8020642-LCMS Scan ESI-

Ret. Time: 3.81

<<<< NEGATIVE SPECTRA >>>>

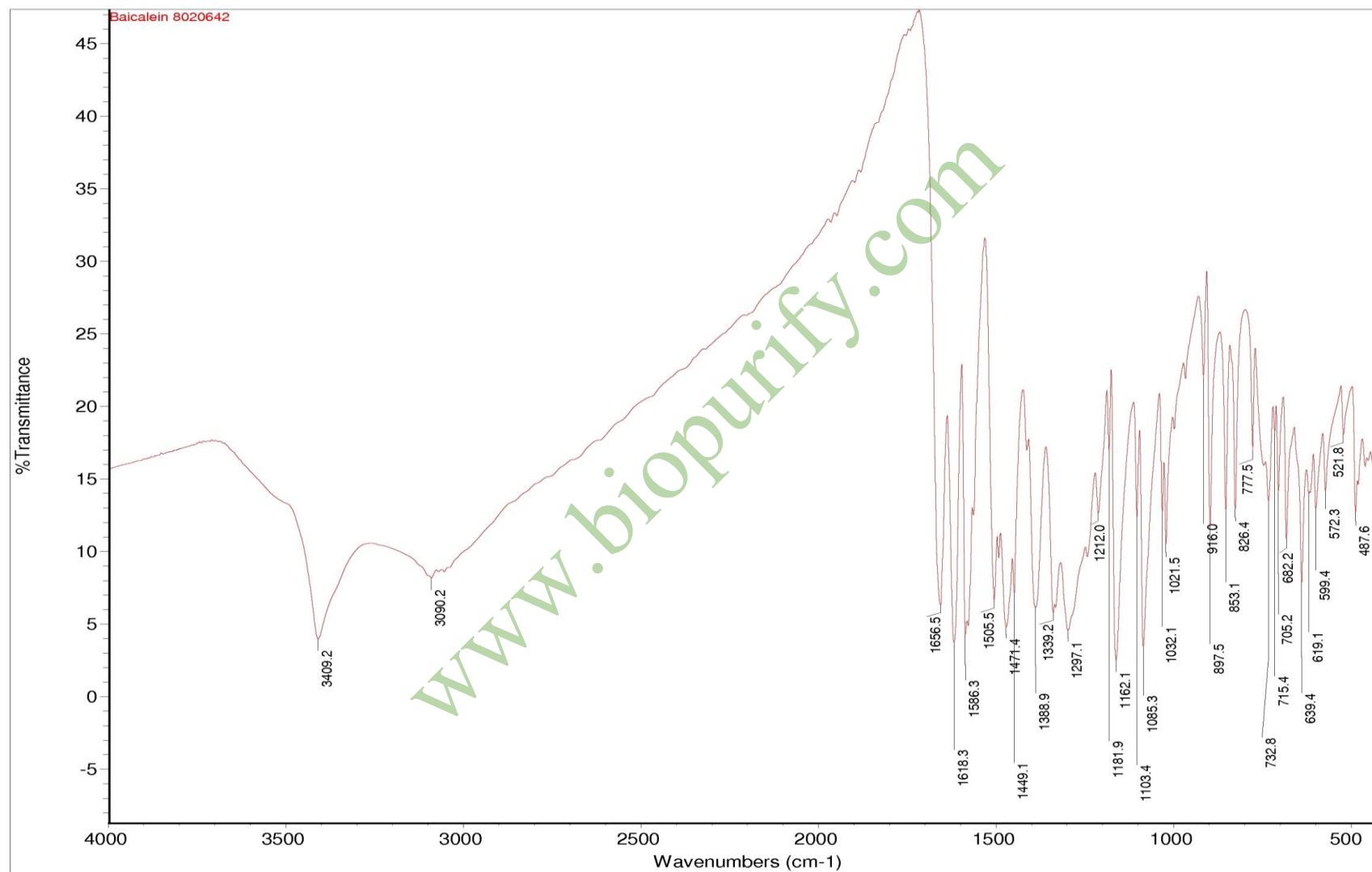


Thermo Fisher Nicolet 6700

溴化钾压片

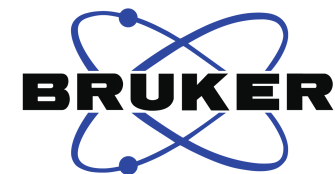
Baicalein 8020642

测试人: L



— 12.581

8.663
8.088
8.085
8.069
8.064
7.648
7.643
7.630
7.628
7.618
7.613
7.609
7.604
7.594
7.584
7.580
7.572
7.046
6.999
5.462
5.233
5.215
4.042
4.018
3.470
3.452
3.434
3.430
3.415
3.406
3.396
3.376
3.354
3.332

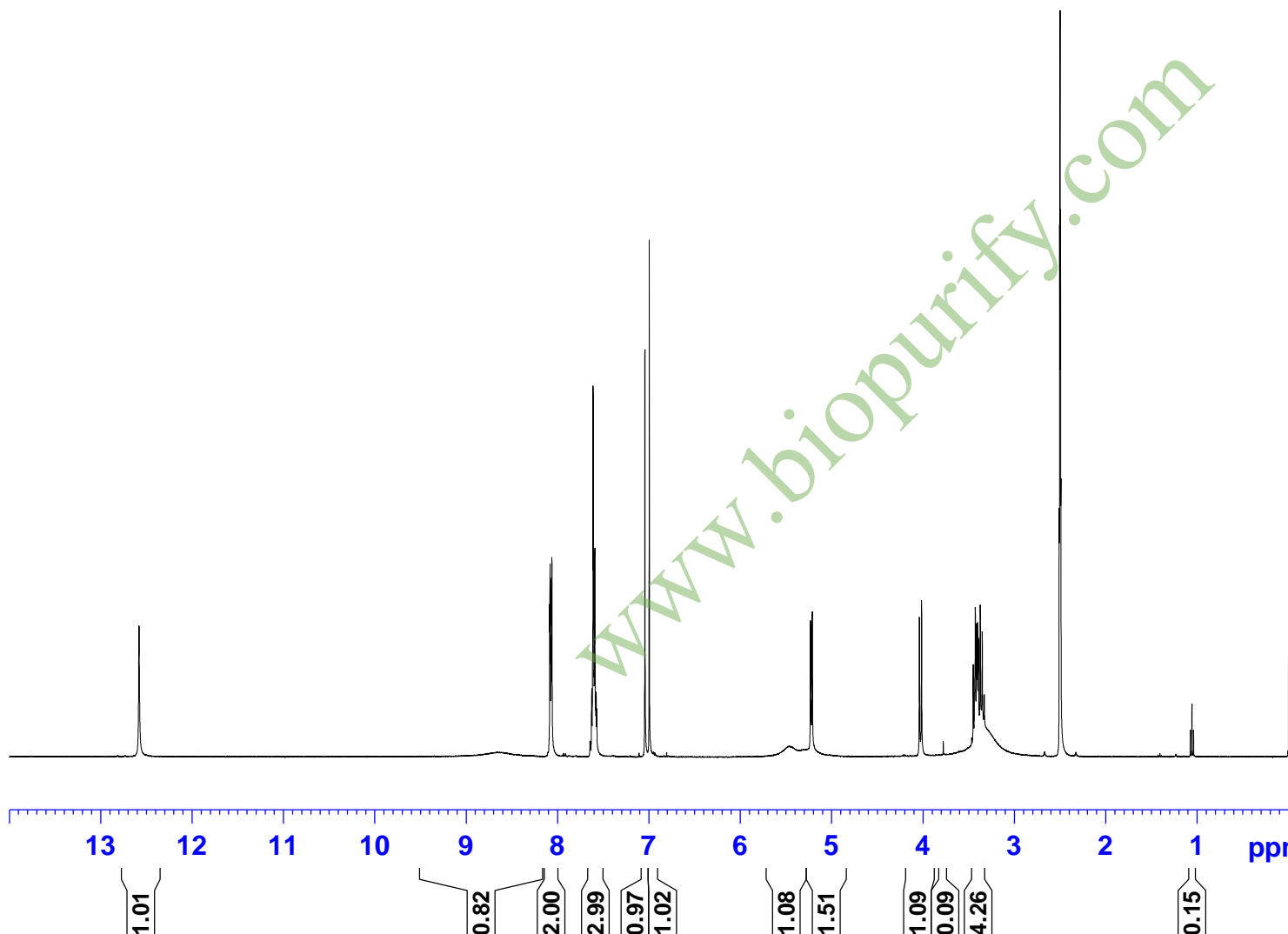


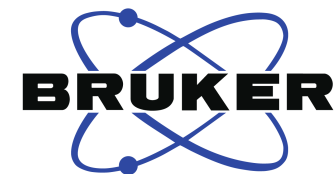
Current Data Parameters
NAME Baicalin-1H NMR DMSO
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170225
Time 17.16
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8012.820 Hz
FIDRES 0.122266 Hz
AQ 4.0894465 sec
RG 202.5
DW 62.400 usec
DE 6.50 usec
TE 301.2 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
SFO1 400.1324710 MHz
NUC1 1H
P1 14.79 usec
PLW1 11.50800037 W

F2 - Processing parameters
SI 65536
SF 400.1300023 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00
SR 2.34 Hz





Current Data Parameters

NAME Baicalin-1H NMR DMSO
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

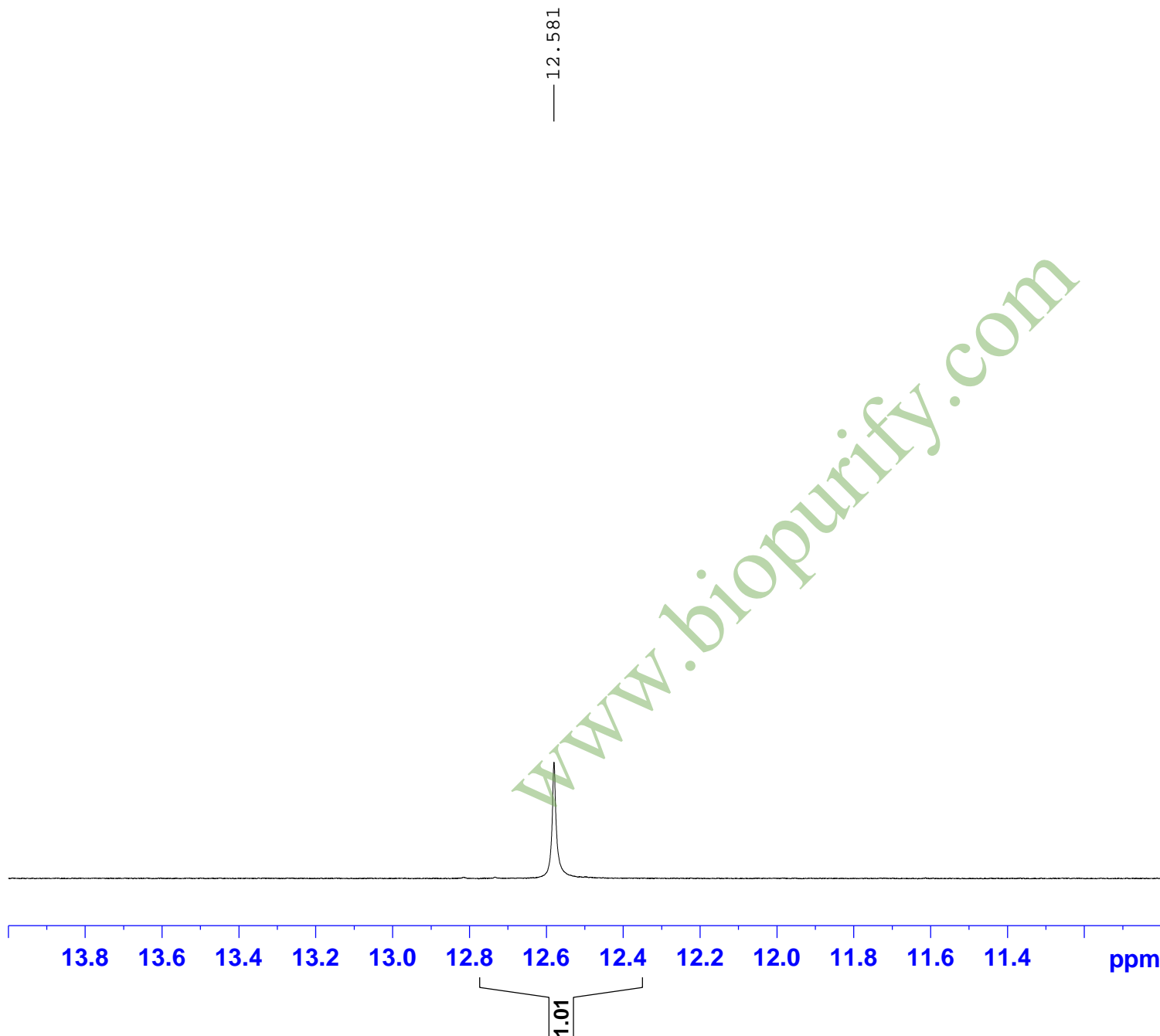
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Time 17.16
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8012.820 Hz
FIDRES 0.122266 Hz
AQ 4.0894465 sec
RG 202.5
DW 62.400 usec
DE 6.50 usec
TE 301.2 K
D1 2.00000000 sec
TD0 1

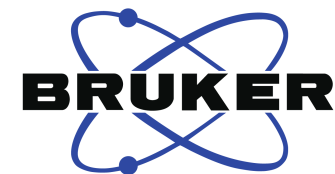
===== CHANNEL f1 =====

SFO1 400.1324710 MHz
NUC1 1H
P1 14.79 usec
PLW1 11.50800037 W

F2 - Processing parameters

SI 65536
SF 400.1300023 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00
SR 2.34 Hz



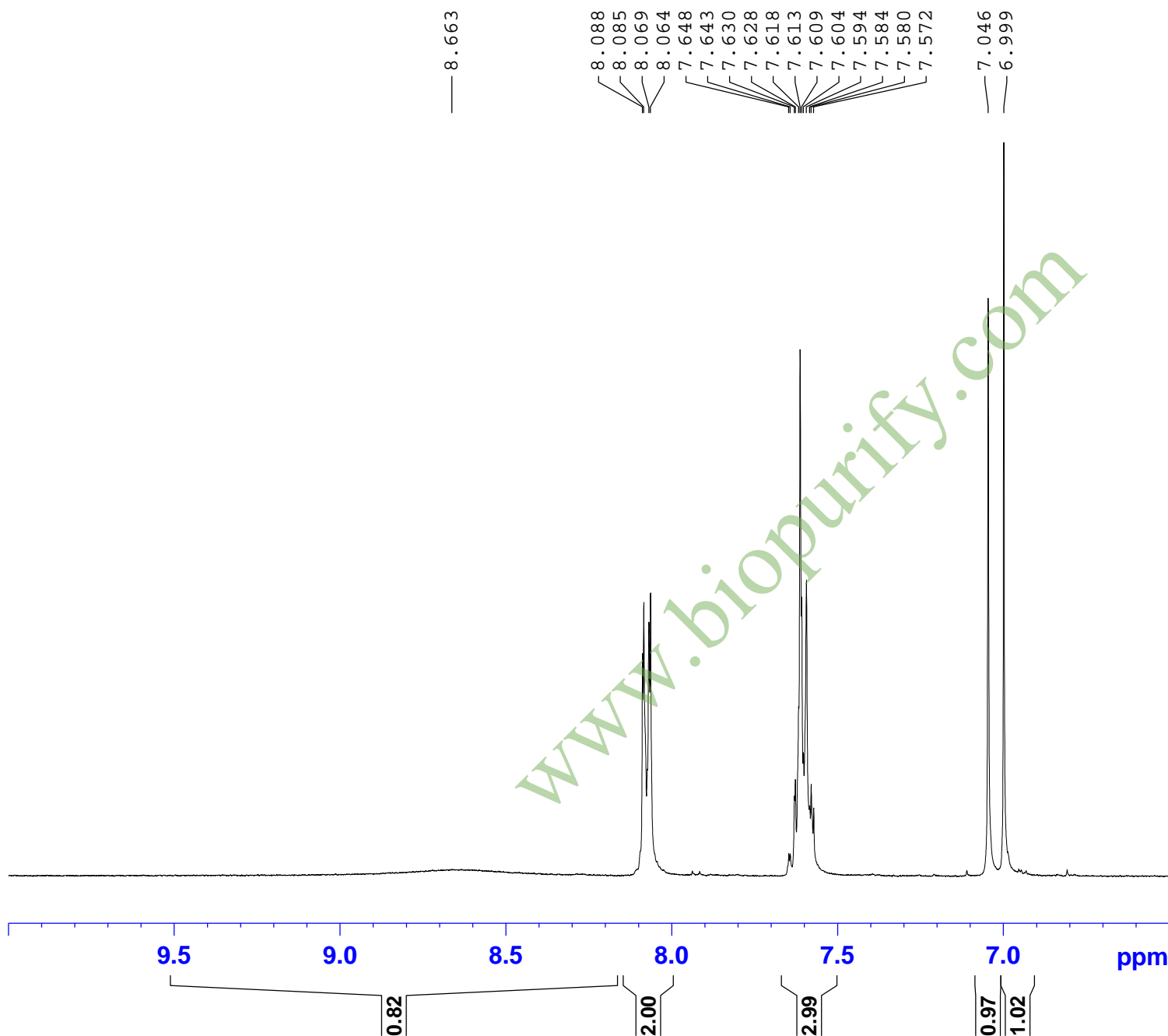


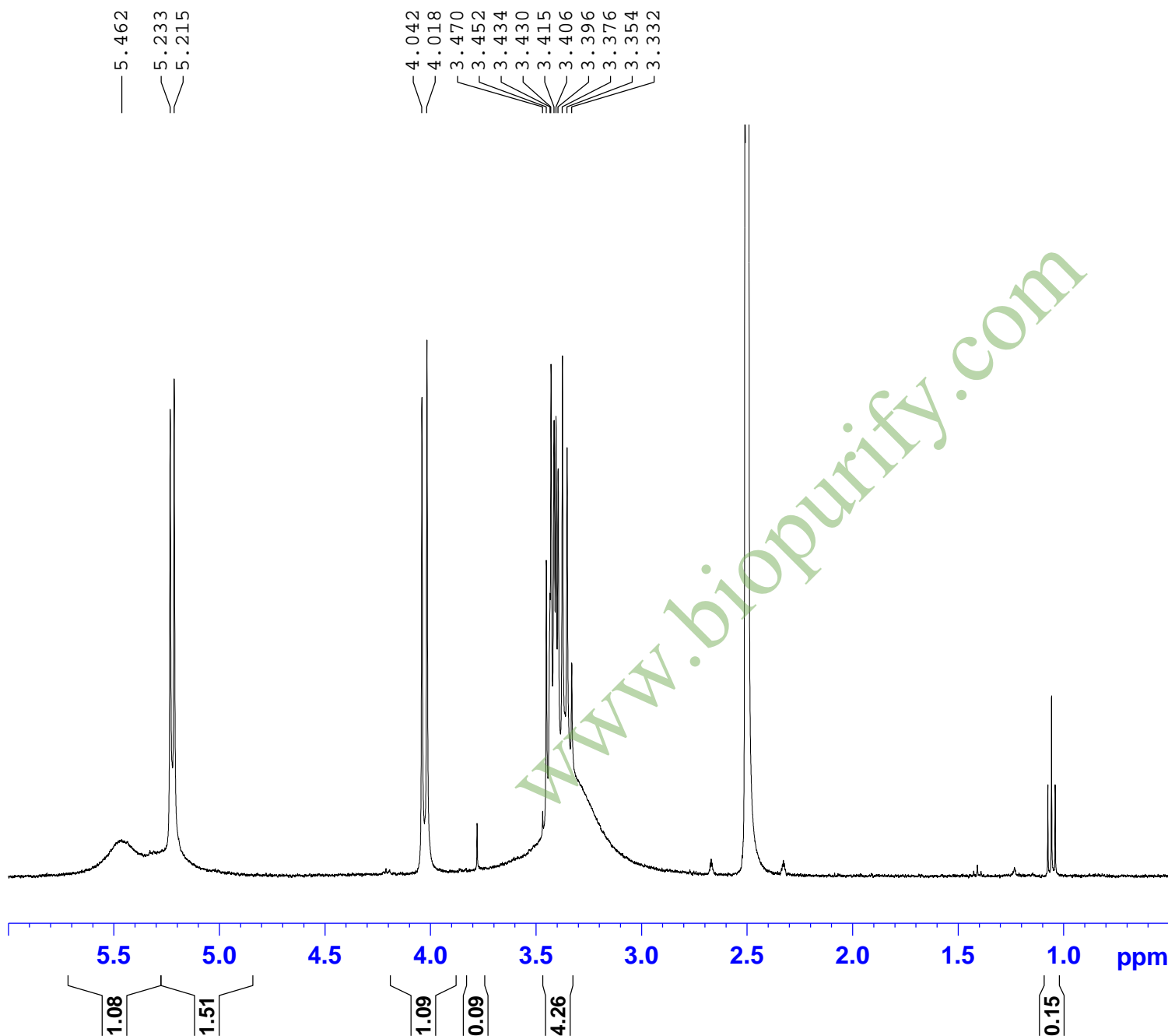
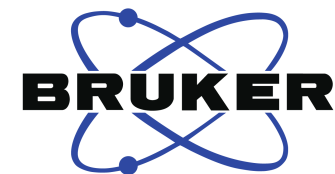
Current Data Parameters
NAME Baicalin-1H NMR DMSO
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170225
Time 17.16
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8012.820 Hz
FIDRES 0.122266 Hz
AQ 4.0894465 sec
RG 202.5
DW 62.400 usec
DE 6.50 usec
TE 301.2 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
SFO1 400.1324710 MHz
NUC1 1H
P1 14.79 usec
PLW1 11.50800037 W

F2 - Processing parameters
SI 65536
SF 400.1300023 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00
SR 2.34 Hz





Current Data Parameters
NAME Baicalin-1H NMR DMSO
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170225
Time 17.16
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8012.820 Hz
FIDRES 0.122266 Hz
AQ 4.0894465 sec
RG 202.5
DW 62.400 usec
DE 6.50 usec
TE 301.2 K
D1 2.00000000 sec
TD0 1

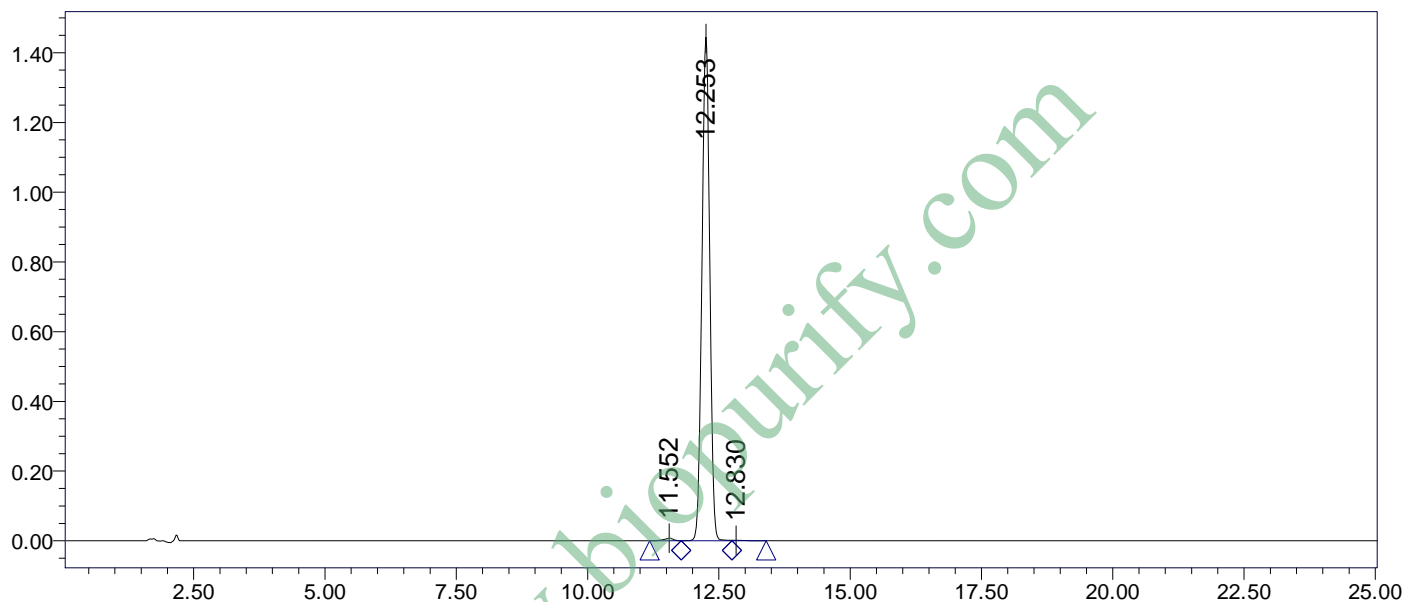
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NUC1 1H
P1 14.79 usec
PLW1 11.50800037 W

F2 - Processing parameters
SI 65536
SF 400.1300023 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00
SR 2.34 Hz

SAMPLE INFORMATION

Sample Name:	Baicalein PRF8020642	Acquired By:	System
Sample Type:	Unknown	Sample Set Name:	
Vial:	6	Acq. Method Set:	Baicalein
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	275.0nm
Run Time:	25.0 Minutes	Proc. Chnl. Descr.:	PDA 275.0 nm
Date Acquired:	2017-2-6 11:26:21 CST		
Date Processed:	2017-2-6 12:48:09 CST		

Auto-Scaled Chromatogram



Peak Results

	RT	Area	% Area	USP Plate Count	USP Resolution
1	11.552	88943	0.59	20288.60	
2	12.253	14956771	99.30	31433.73	2.25
3	12.830	15751	0.10		