



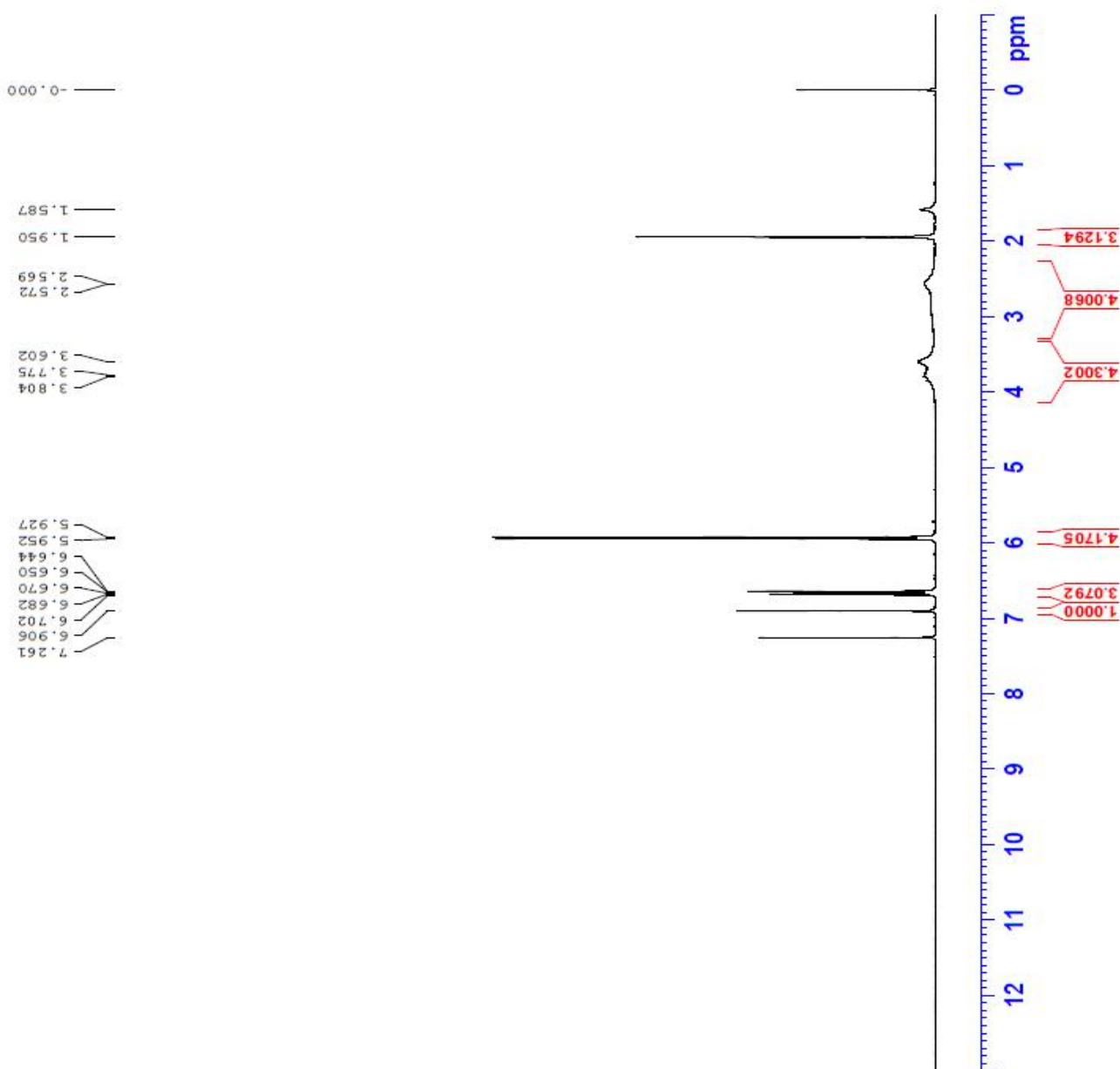
TEL: 4000998382 13881987151 18981919709 18981717076
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Chengdu Herbpurify CO.,LTD

成都瑞芬思生物科技有限公司



Current Data Parameters
NAME RPS-YAPJ-HI-CDCl3-20160606
EXPNO 10
PROCNO 1
F2 - Acquisition Parameters
Date_ 20160606
Time 15.05
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 197.41
EW 60.800 usec
DE 8.00 usec
TE 297.3 K
D1 1.00000000 sec
TD0 1
===== CHANNEL f1 =====
NUC1 1H
P1 12.80 usec
PL1 15.84895998 W
SFO1 400.1632013 MHz
F2 - Processing parameters
SI 65536
SF 400.1600082 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



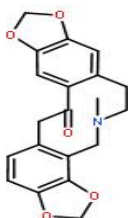
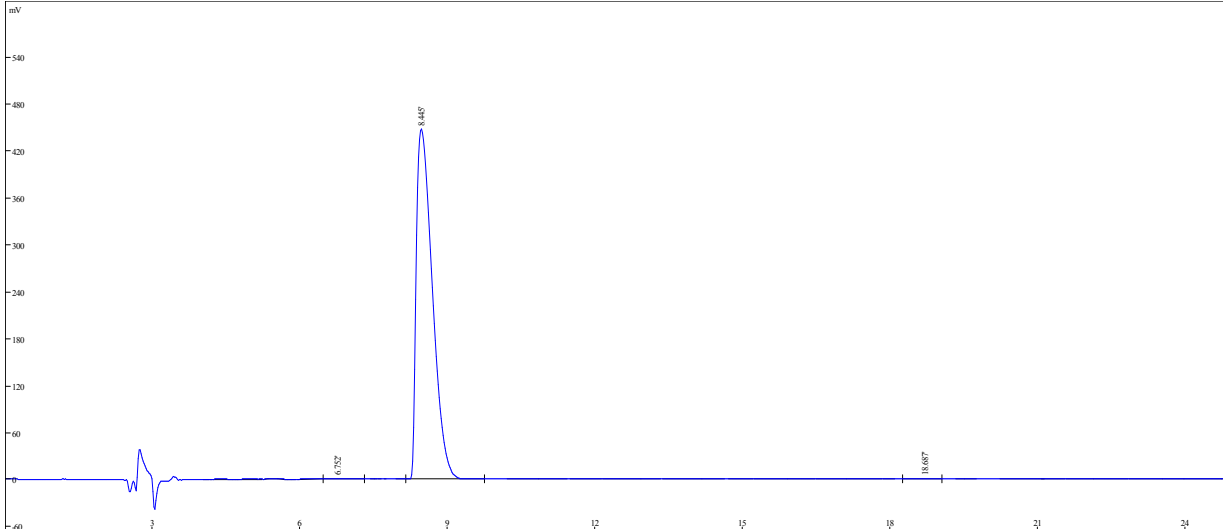


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Batch NO:Y-050-160407

Certificate Of Analysis								
Chinese Name	原阿片碱			Botanical Source				
English Name	protopine			CAS Number	130-86-9			
Mol. Formula	C20H19NO5			Mol. Weight	353.37			
Solubility	Methanol			Appearance	White powder			
Loss on drying	≤2.0%			Purity	99.93%			
QC	HPLC: 乙腈：三乙胺醋酸溶液（三乙胺 8ml，醋酸 30ml，加入 1000ml 水） 25： 75 波长 270nm							
Structure								
Protopine HPLC								
								
Peak#	Ret time[min]	Area%	Area	Height	Resolution	N	Effective plate number	T
1	6.752	0.0412	4207	145	2.46	1263	0	1.00
2	8.445	99.93	10205310	448389	16.64	3213	129	2.07
3	18.687	0.02994	3057	130	0.00	14731	6009	1.00
Total	100		10212574	448664				
Storage	Stored without light and heat. Stored in cool, dry , airproof and innocuous conditions							
Expiration	Two years (2018-04-06) under conditions list above.							

Report date : 2016-04-07

Operator: zhangqin

Q.C manager: Zhengxin