



NEWMIND
47 W. Polk St. STE 100-241
Chicago, IL 60605

newmind@newmind.com
www.newmind.com

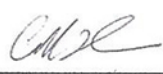
CERTIFICATE OF ANALYSIS

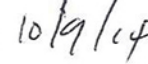
Synaptent LLC

Laboratory Number: 4300

Product Name	Sunifiram	Client Lot Number	20140604
Report Date	10/09/14	Order #	SNT_0027

Test	Result
Proton-NMR	Conforms
HPLC-Assay	100.0%
Heavy Metals ICP-MS	ppm
Arsenic	<0.001
Cadmium	<0.001
Lead	0.024
Mercury	0.015

Collin Thomas 
Laboratory Manager

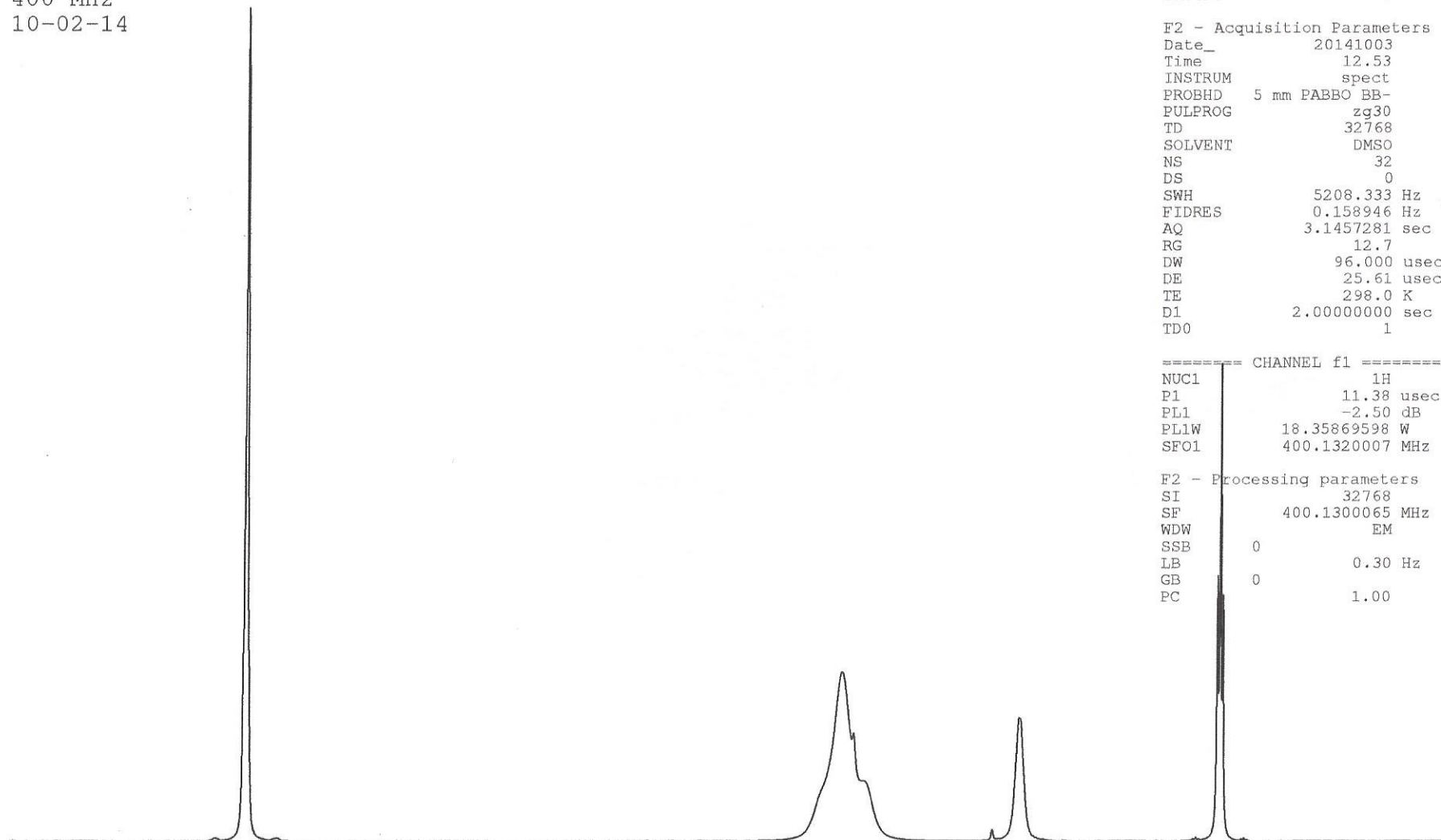
10/09/2014 
Date

1H NMR of Sunifiram in DMSO
Lot # 4300
Colmaric
400 MHz
10-02-14

Current Data Parameters
NAME Oct03-2014
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20141003
Time 12.53
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 32768
SOLVENT DMSO
NS 32
DS 0
SWH 5208.333 Hz
FIDRES 0.158946 Hz
AQ 3.1457281 sec
RG 12.7
DW 96.000 usec
DE 25.61 usec
TE 298.0 K
D1 2.0000000 sec
TDO 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.38 usec
PL1 -2.50 dB
PL1W 18.35869598 W
SFO1 400.1320007 MHz
F2 - Processing parameters
SI 32768
SF 400.1300065 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 ppm

5.00

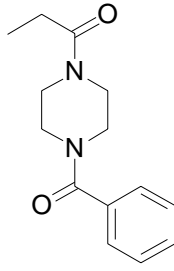
8.30

1.96

3.03

Sunifiram

Batch 2014.06.04

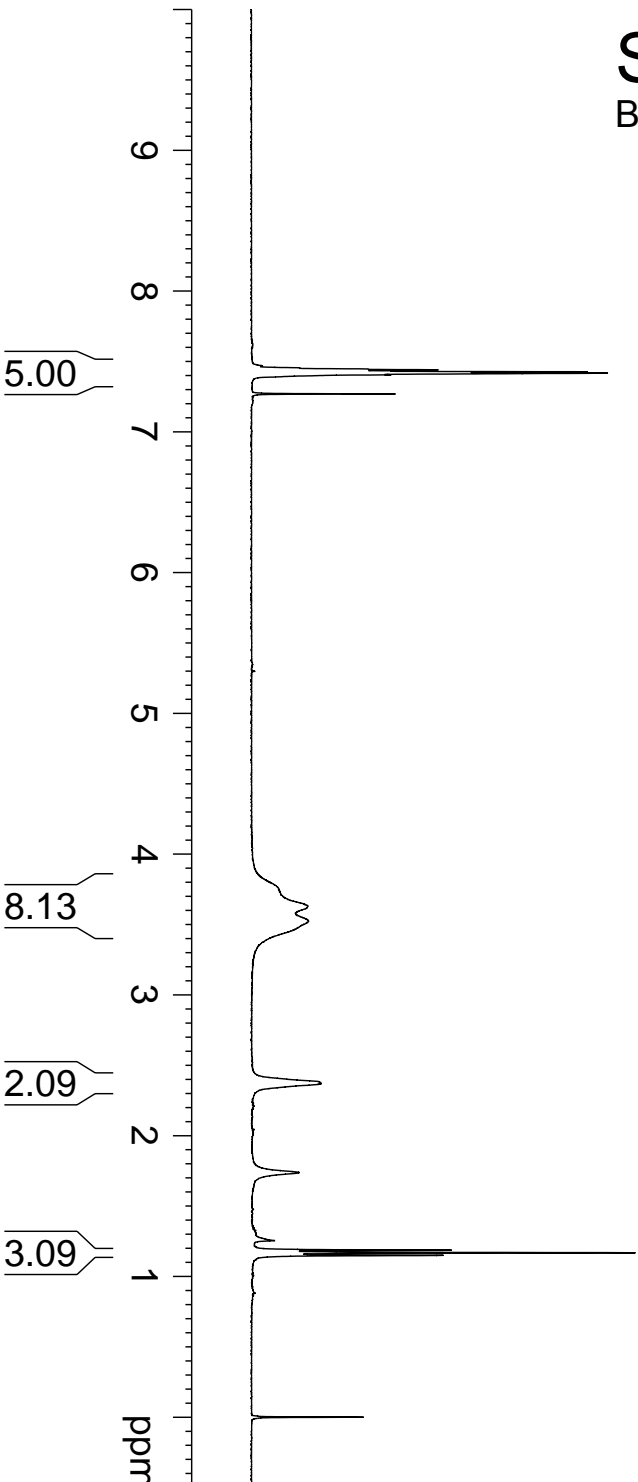


- 7.454
- 7.441
- 7.433
- 7.426
- 7.417
- 7.406
- 7.270

- 3.629
- 3.525

- 2.377
- 2.368
- 1.737
- 1.254
- 1.186
- 1.168
- 1.149

- 0.000



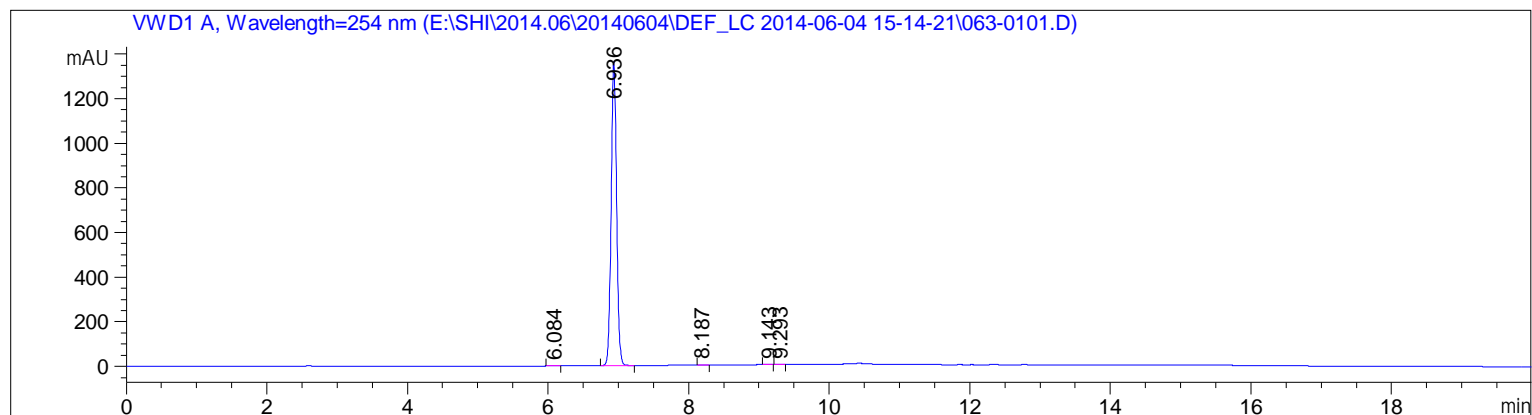
```

NAME          CF_ZB_3220
EXPNO         1
PROCNO        1
Date_         20131010
Time          14.56
INSTRUM      spect
PROBHD        5 mm PABBO BB-
PULPROG      zg30
TD            32768
SOLVENT       CDCl3
NS            8
DS            0
SWH           8223.685 Hz
FIDRES        0.250967 Hz
AQ            1.9923444 sec
RG            40.3
DW            60.800 usec
DE            6.50 usec
TE            298.9 K
D1            1.00000000 sec
TD0           1
  
```

```

===== CHANNEL f1 =====
NUC1          1H
P1            14.10 usec
PL1          -2.80 dB
PL1W         18.85802460 W
SFO1         400.1324710 MHz
SI           32768
SF           400.1300055 MHz
WDW          EM
SSB          0
LB           0.30 Hz
GB           0
PC           1.00
  
```

=====
 2014-6-4 15:15:17
 15.000 µl
 2014-06-04 15-14-21\30-90-30.M



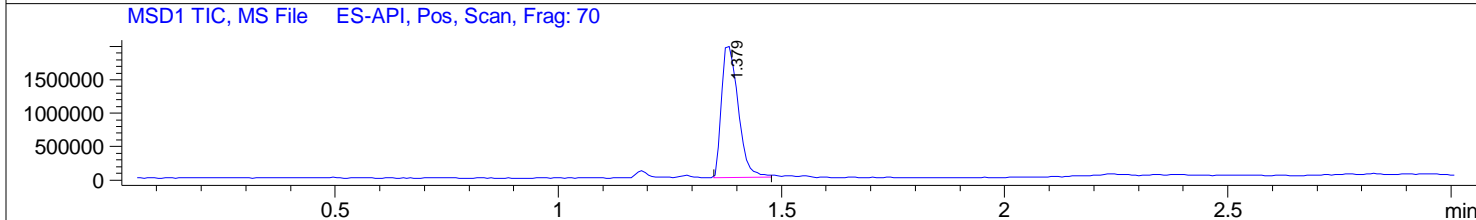
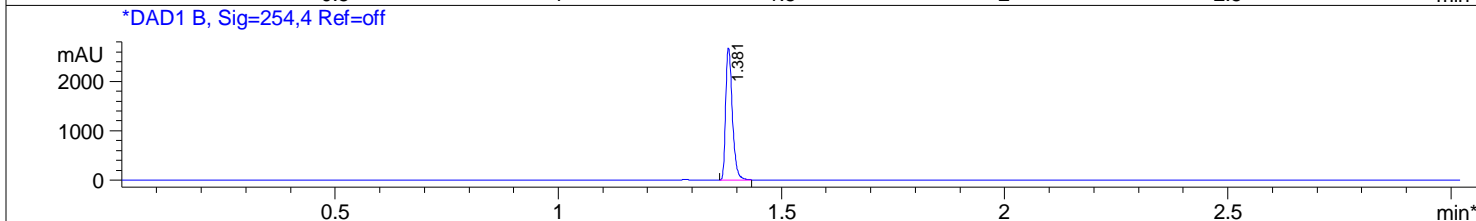
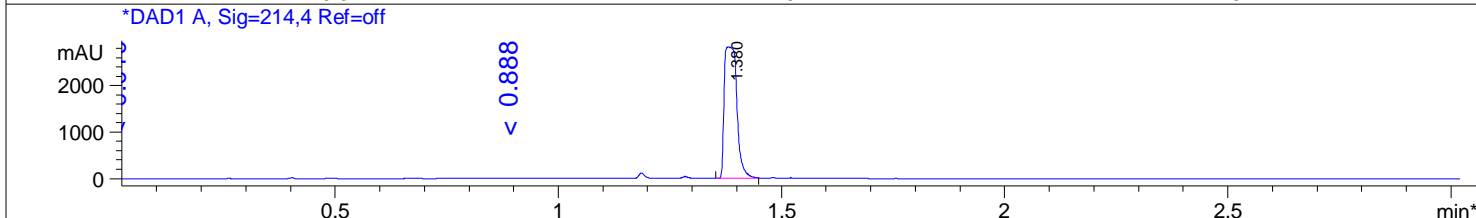
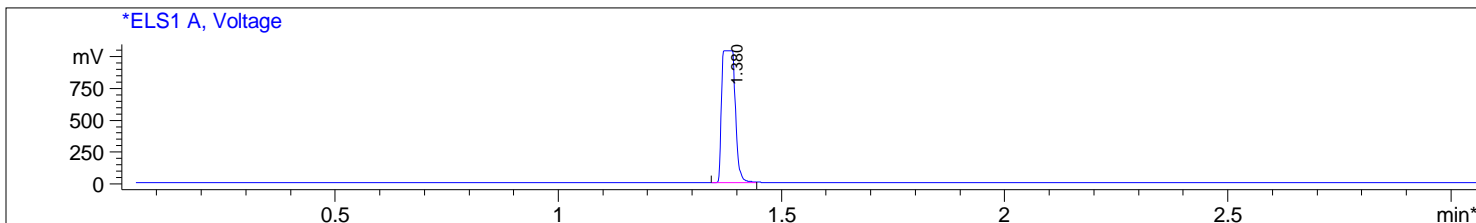
1: VWD1 A, Wavelength=254 nm

#	[min]		[min]	[mAU*s]	[mAU]	%
1	6.084	BBA	0.0885	7.62237	1.33505	0.1038
2	6.936	BB	0.0817	7326.32813	1362.63306	99.7319
3	8.187	BBA	0.0898	5.07540	9.53121e-1	0.0691
4	9.143	BBA	0.0649	2.98723	7.12606e-1	0.0407
5	9.293	BBA	0.0715	4.01164	8.90237e-1	0.0546

7346.02476 1366.52407

File D:\DATA\BACKUP\RAWDATA\

Injection Date : 9 Jun 14 12:47 pm +0800 Tgt Mass (EZX) :
 Sample Name : C5 Location : P1-D-08
 Acq. Operator : Monitor Inj : 1
 Spec. Reported : MS Integration Inj Volume : 0.7 ul
 Acq. Method : C:\CHEM32\1\METHODS\1-POS-3MIN.M
 Analysis Method : C:\CHEM32\1\METHODS\1-POS-3MIN.M
 Sample Info : Easy-Access Method: '1-POS-3MIN'
 Method Info : Mobile phase: A 0.01%TFA in water B 0.01%TFA in ACN
 Gradient: 5% increase to 95%B within 1.4min, 95%B for 1.6min.
 Flow Rate: 2.0 ml/min
 Column: SunFire C18,4.6*50mm,3.5um
 Column Temperature: 50 C
 Detection:UV (214,4nm) and MS(ESI,Pos mode,110 to 1200 amu)



Integration Results for ELS1 A, Voltage

RetTim	Width	Area	Height	Area%
1.38	0.03	2142.97	1035.18	100.00

Integration Results for DAD1 A, Sig=214,4 Ref=off

RetTim	Width	Area	Height	Area%
1.38	0.03	5558.43	2825.36	100.00

Integration Results for DAD1 B, Sig=254,4 Ref=off

RetTim	Width	Area	Height	Area%
1.38	0.02	2797.39	2676.06	100.00

Ret. Time: 1.38

<<<< POSITIVE SPECTRA >>>>

