

ICC **INDOFINE Chemical Company, Inc.**

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

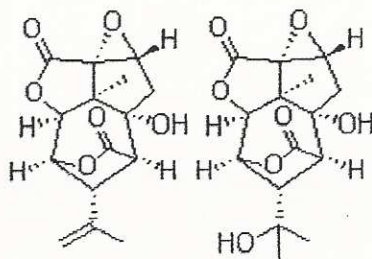
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	P-001
<u>Product Name:</u>	PICROTOXIN (Cocculin)
<u>Cas Number:</u>	[124-87-8]
<u>Lot Number:</u>	1305332
<u>Chemical Formula:</u>	$C_{30}H_{34}O_{13}$
<u>Molecular Weight:</u>	602.59
<u>Melting Point:</u>	200-201°C
<u>Source:</u>	Natural from Anamirta cocculus seeds
<u>Appearance:</u>	White powder
<u>TLC:</u>	Chloroform:Methanol (9:1)
<u>Solubility:</u>	Soluble in DMSO
<u>Moisture (KF):</u>	0.40%
<u>NMR Spectrum:</u>	Enclosed (Confirms to the structure)
<u>Storage:</u>	Store in a cool, dry place
<u>Purity(HPLC):</u>	98.85%





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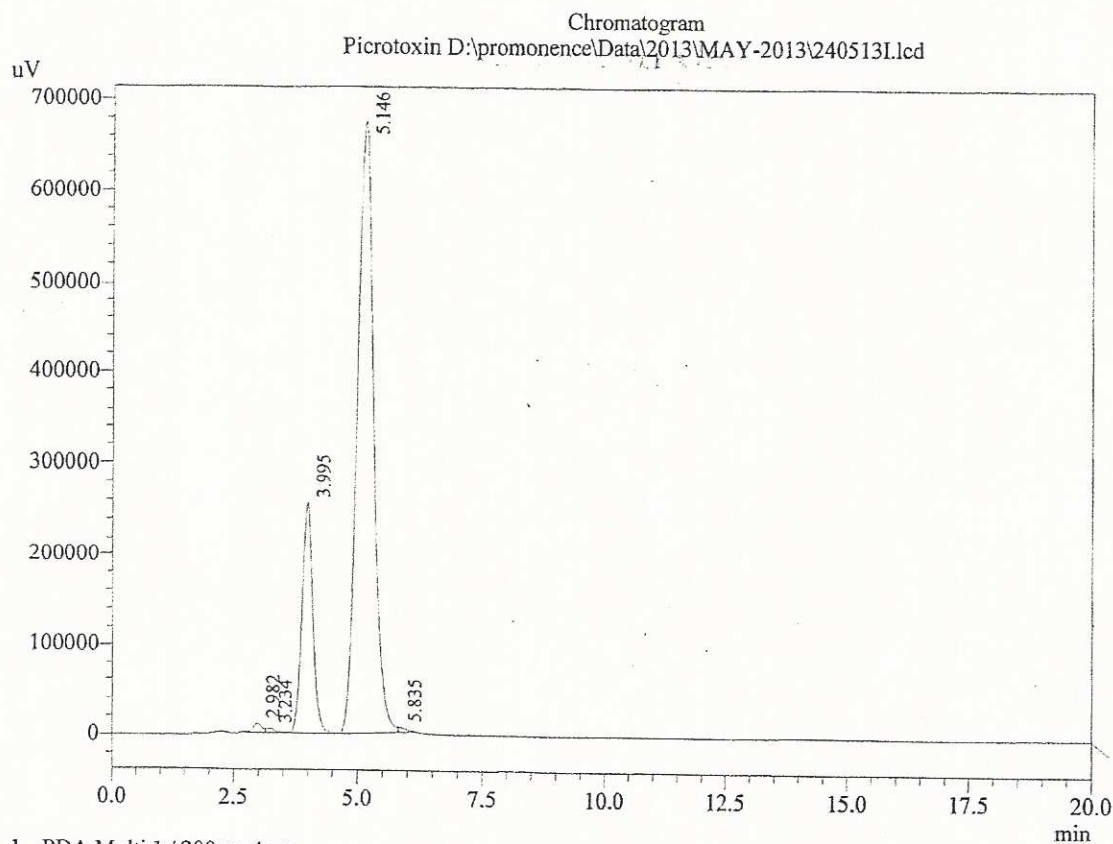
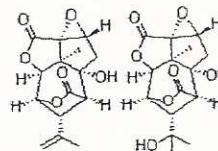
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HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : Picrotoxin
Sample ID : 1.3 Kg Lot
Injection Volume : 20 uL
Data Filename : 240513I.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: P-001
Product name: Picrotoxin
Lot No.: 1305332

Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)
Flow : 1.000 mL/min.
Mobile Phase : A(50% of Water) B(50% of Acetonitrile)



1 PDA Multi 1 / 200nm 4nm

PeakTable

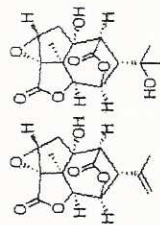
PDA Ch1 200nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.982	2.982	111254	0.58	0.58
2	RT:3.234	3.234	55665	0.29	0.63
3	RT:3.995	3.995	3837687	19.93	0.78
4	RT:5.146	5.146	15197113	78.92	1.00
5	RT:5.835	5.835	54957	0.29	1.13
Total			19256676	100.00	



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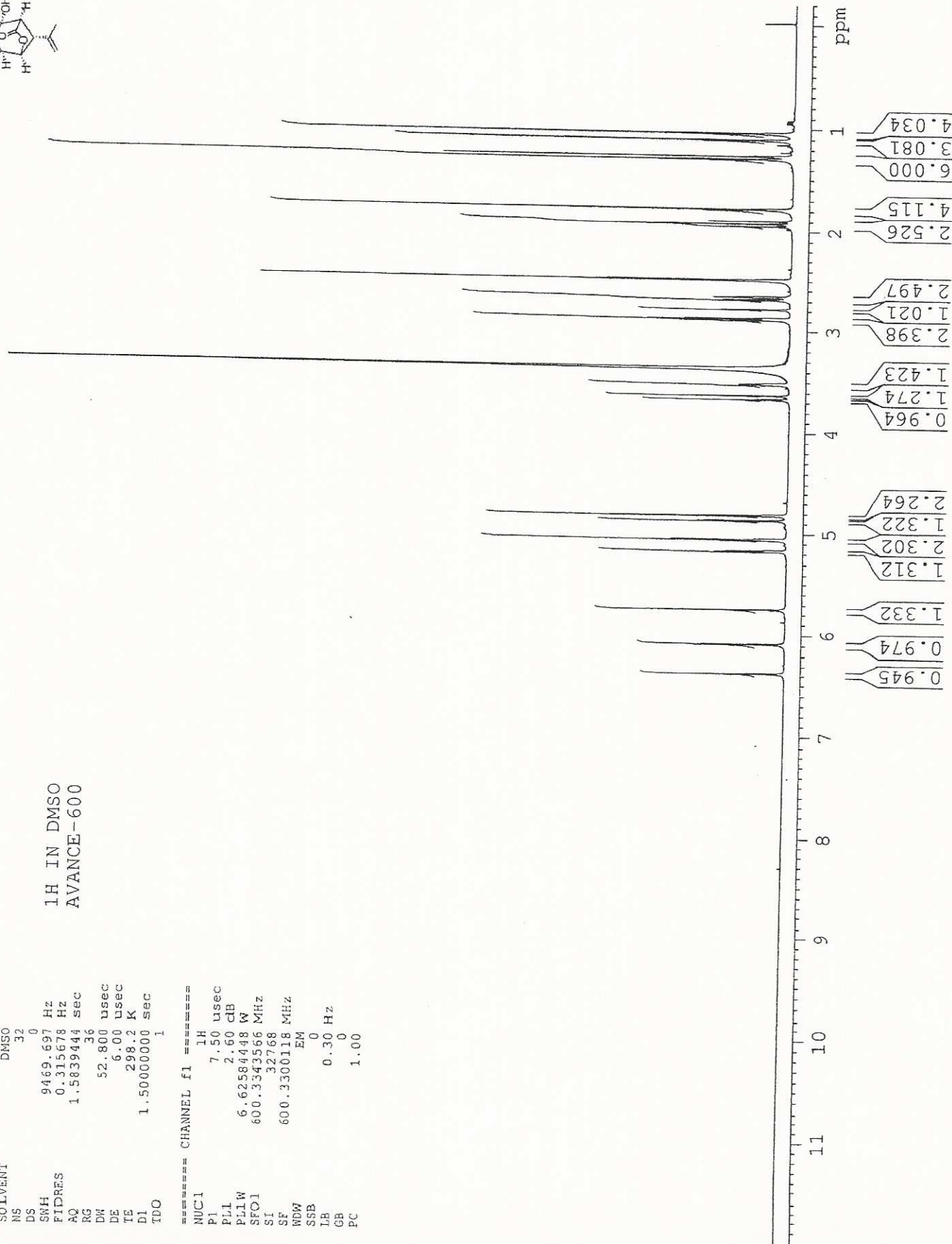
Catalog No.: P-001
Product name: Picrotoxin
Lot No.: 1305332



SOLVENT DMSO
NS 32
DS 0
SMH 9469.697 Hz
FIDRES 0.315678 Hz
AQ 1.5839444 sec
RG 36
DW 52.800 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TDQ 1

1H IN DMSO
AVANCE-600

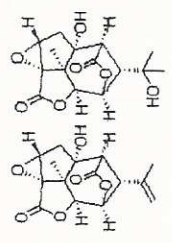
===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PLW 6.62584448 W
SFO1 600.3343566 MHz
SI 32768
SF 600.3300118 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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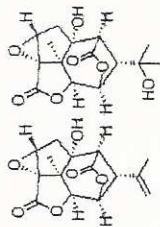
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1H IN DMSO
AVANCE-600

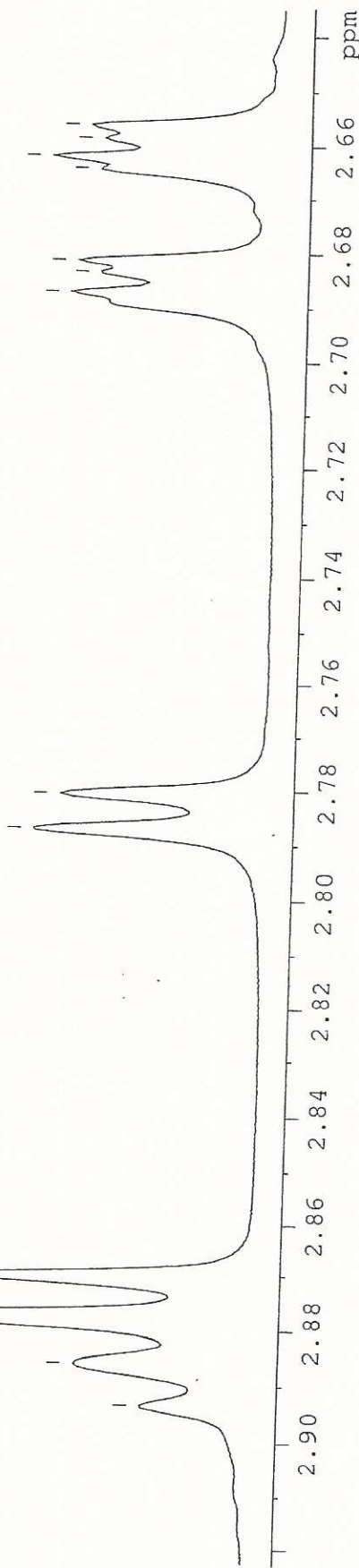
SOLVENT DMSO
NS 32
DS 0
SWH 9469.697 Hz
FIDRES 0.315678 Hz
AQ 1.5839444 sec
RG 35
DW 52.800 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3343566 MHz
SI 32768
SF 600.3300118 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

2.894
2.886
2.878
2.871

2.788
2.781

2.688
2.684
2.682
2.665
2.663
2.659
2.657





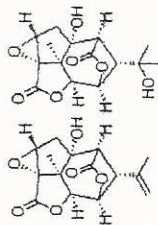
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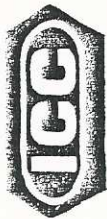
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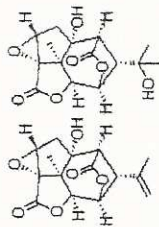
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SF 600.3300118 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

5.179
5.173
5.171
5.165

5.067
5.061
5.057
5.051

4.869

4.822
4.817

