



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

Catalog Number: P-001

Product Name: **PICROTOXIN**
(Cocculin)

Cas Number: [124-87-8]

Lot Number: 1504584

Chemical Formula: $C_{30}H_{34}O_{13}$

Molecular Weight: 602.59

Melting Point: 199-201°C

Appearance: White powder

TLC: Chloroform:Methanol (9:1) Two spots

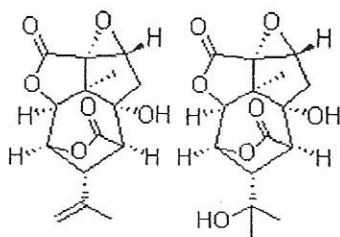
Solubility: Soluble in DMSO

Moisture (KF): 0.40%

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.78%





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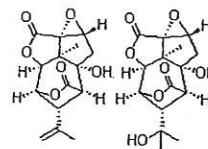
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

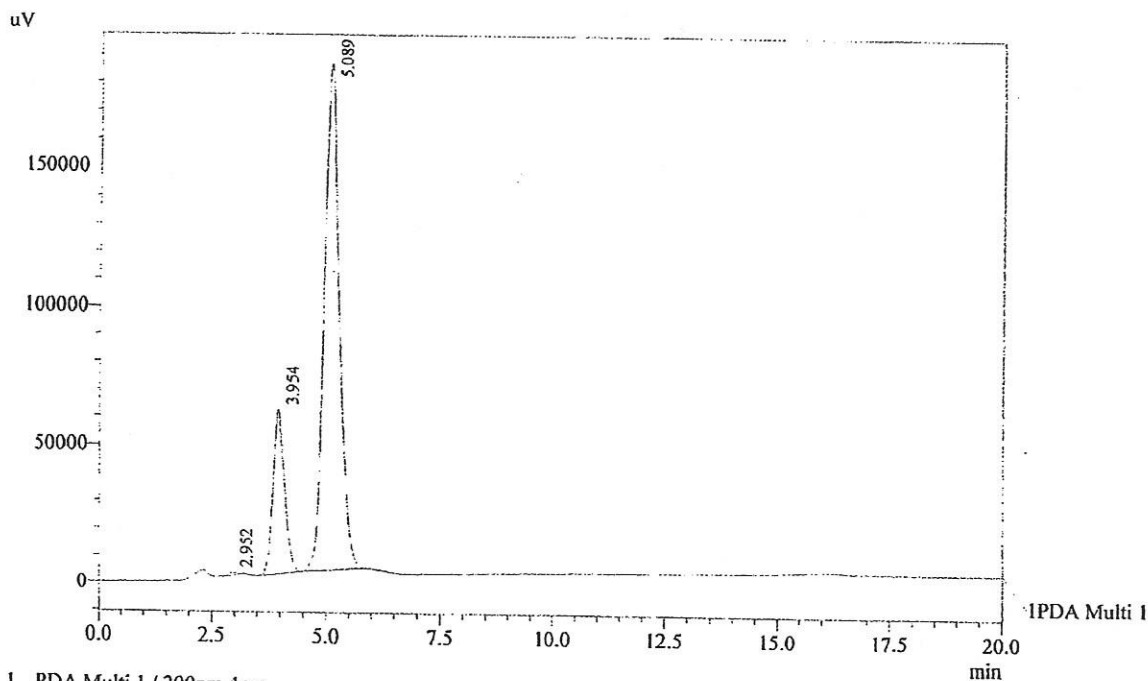
Acquired by : Admin
Sample Name : Picrotoxin
Sample ID : 2.0 kg
Injection Volume : 20 uL
Data Filename : 060415R.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: P-001
Product Name: Picrotoxin
Lot No.: 1504584

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)



Chromatogram



1 PDA Multi 1 / 200nm 4nm

PeakTable

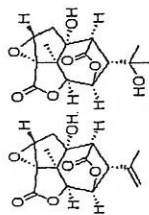
PDA Ch1 200nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.952	2.952	11133	0.22	0.58
2	Picrotin	3.954	1020289	19.79	0.78
3	Picrotoxin	5.089	4124370	79.99	1.00
Total			5155792	100.00	



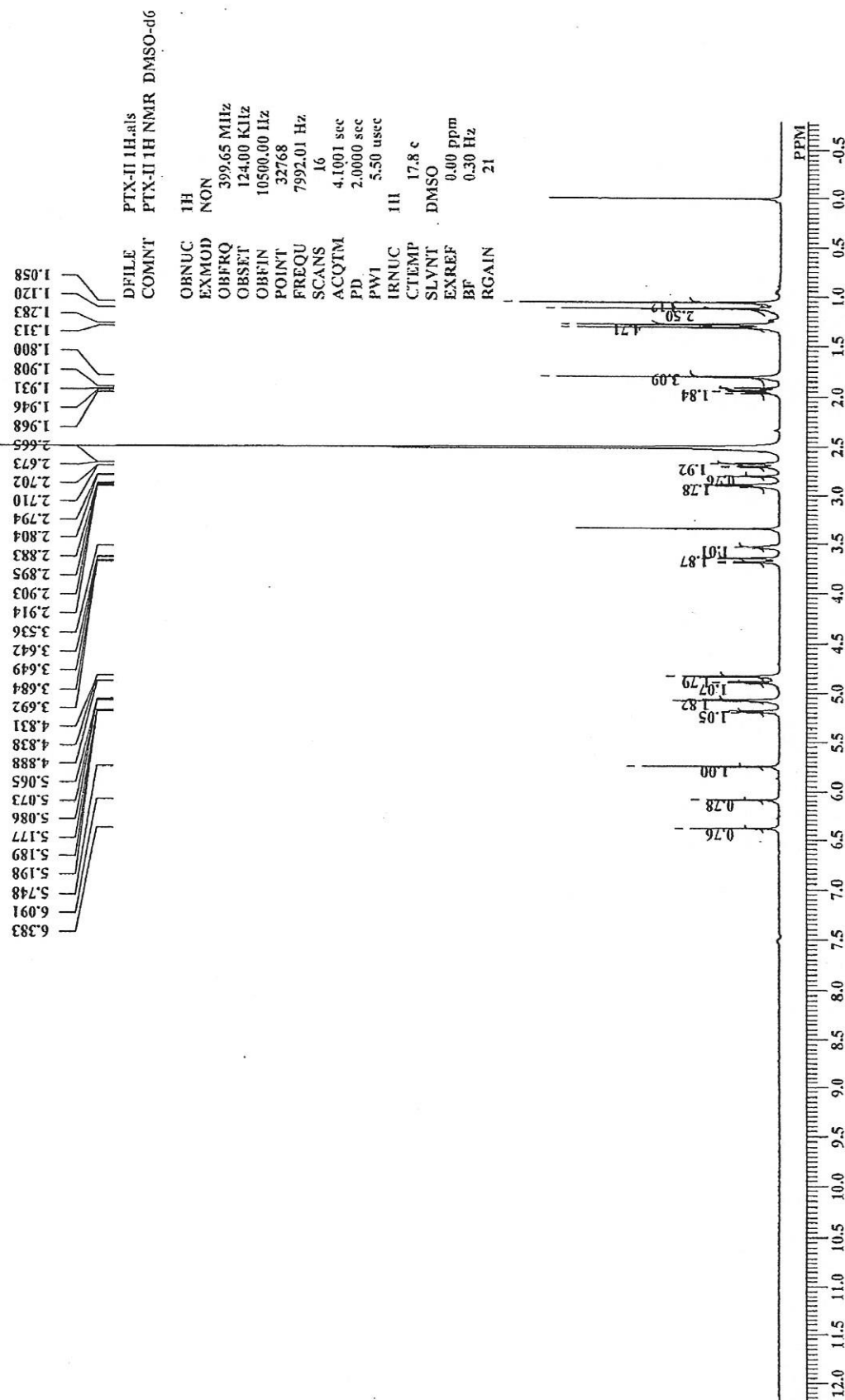
INDOFINE Chemical Company, Inc.
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

Catalog No.: P-001
Product Name: Picrotoxin
Lot No.: 1504584



PTX-II 1H NMR DMSO-d6

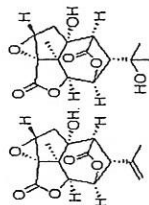
Analysed By : TJR





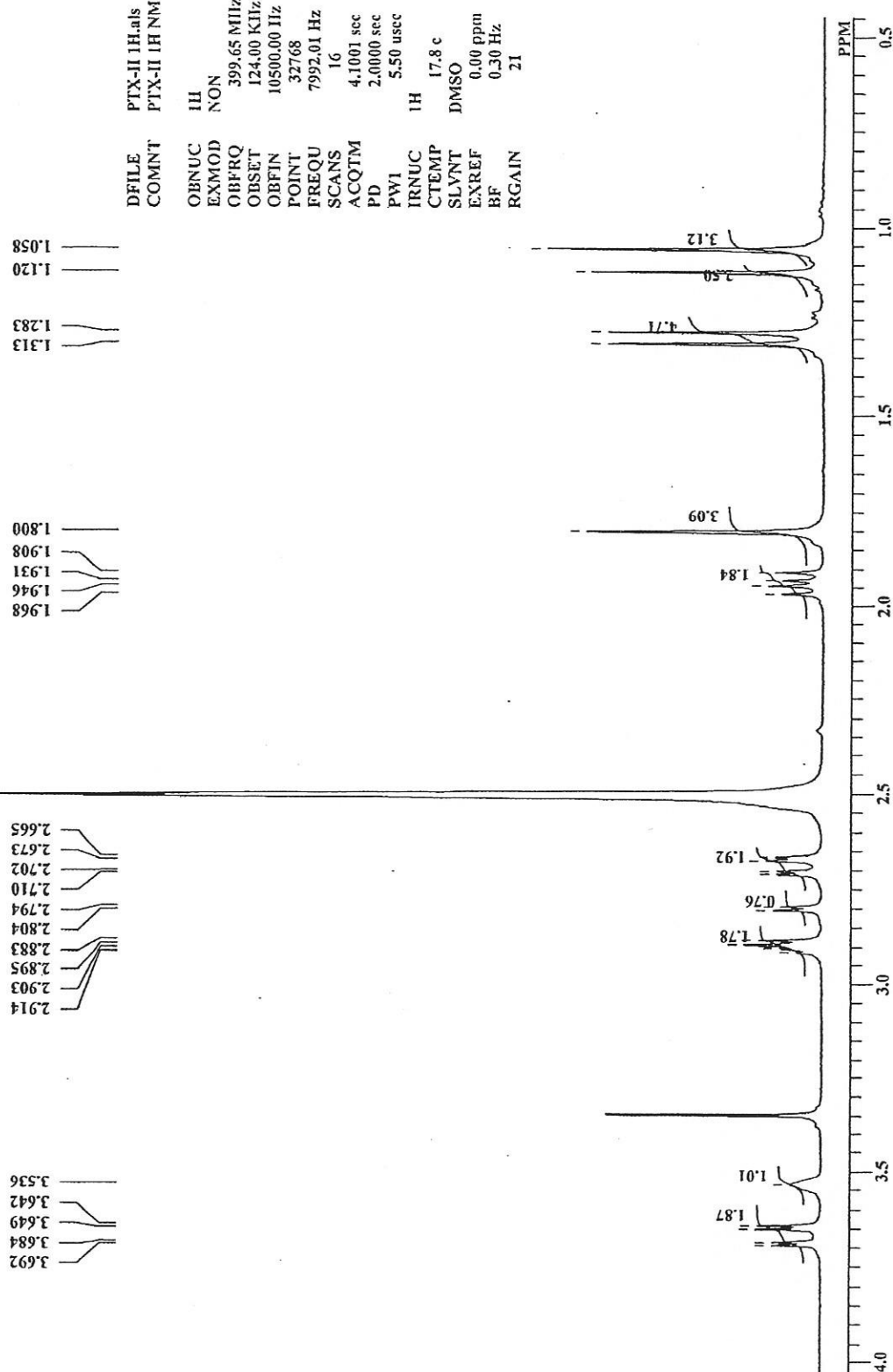
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PTX-II 1H NMR DMSO-d6

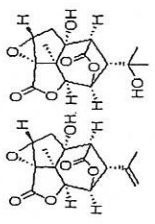
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PTX-II 1H NMR DMSO-d6
Analysed By: TJR



DFILE PTX-II 1H.nls
COMNT PTX-II 1H NMR DMSO-d6
DATIM Sun Apr 05 22:58:53 2015
OBNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 32768
FREQU 7992.01 Hz
SCANS 16
ACQTM 4.1001 sec
PD 2.0000 sec
PW1 5.50 usec
IRNUC 1H
CTEMP 17.8 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 21

