



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: 2306821

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

Molecular Weight: 602.59

Appearance: White powder

Melting Point: 198-200°C

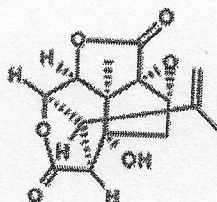
Solubility: Soluble in DMSO

Moisture (KF): 0.49%

NMR Spectrum: Conforms to structure

Storage: Store in a cool, dry place

Purity(HPLC): 98.14%



Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and Approved by:
Sujata Moton
Sujata Moton
VP



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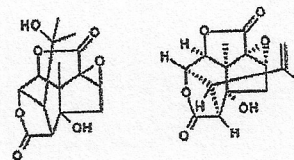
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e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

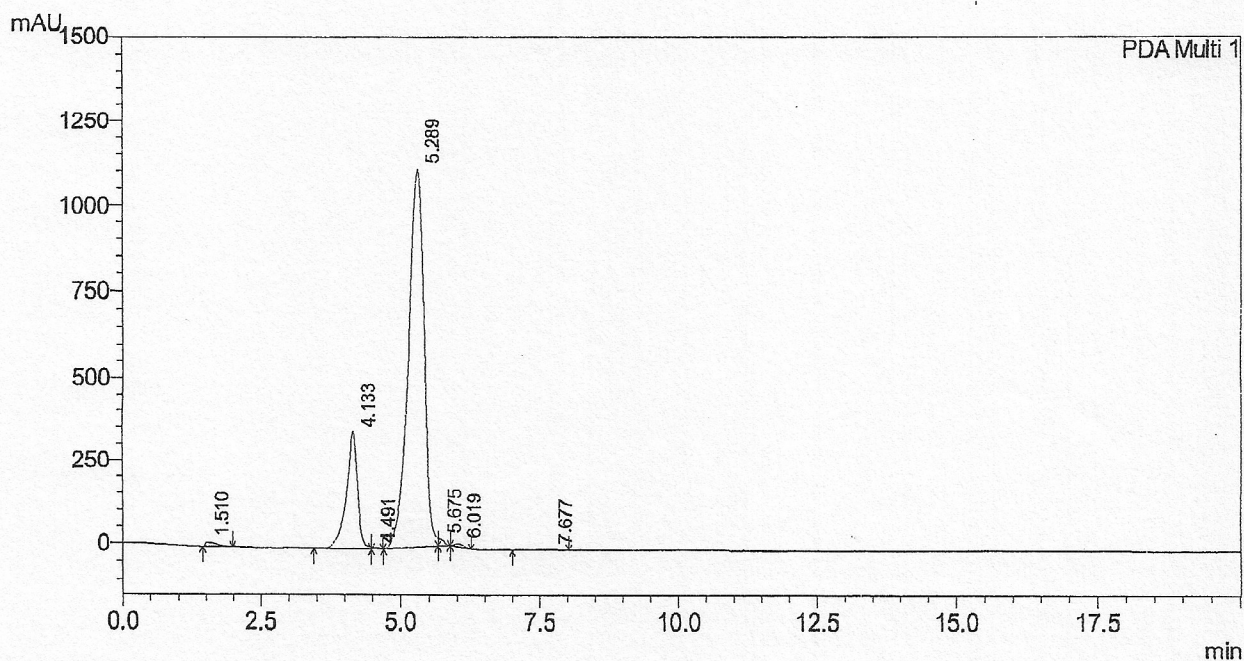
Acquired by : Sanjeev
Sample Name : Picrotoxin
Sample ID :
Tray# : 1
Vial # : 15
Injection Volume : 20 μ L
Data File Name : 09062023132.lcd
Method File Name : Linear Isocratic method.lcm

Catalog No.: P-001
Product Name: Picrotoxin
Lot No.: 2306821



Column: Inertsil ODS-3V : 250 x 4.6mm, 5 μ
Flow Rate: 1.0 ml/min
MP-A: Water : MP-B: Acetonitrile (50:50)
Diluent: Acetonitrile (2mg/ml in diluent)

<Chromatogram>



1 PDA Multi 1/200nm 4nm

Peak Table

PDA Ch1 200nm 4nm

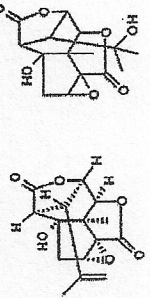
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:1.510	1.510	195287	0.71	0.286
2	RT:4.133	4.133	4876904	17.82	0.781
3	RT:4.491	4.491	25330	0.09	0.849
4	RT:5.289	5.289	21985560	80.32	1.000
5	RT:5.675	5.675	137619	0.50	1.073
6	RT:6.019	6.019	101446	0.37	1.138
7	RT:7.677	7.677	51192	0.19	1.452
Total			27373337	100.00	

Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

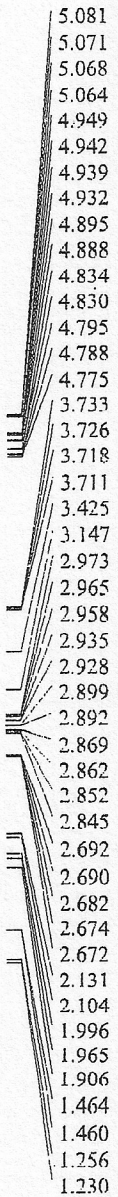
Reviewed and Approved by:
Sujata Moton
Sujata Moton
VP



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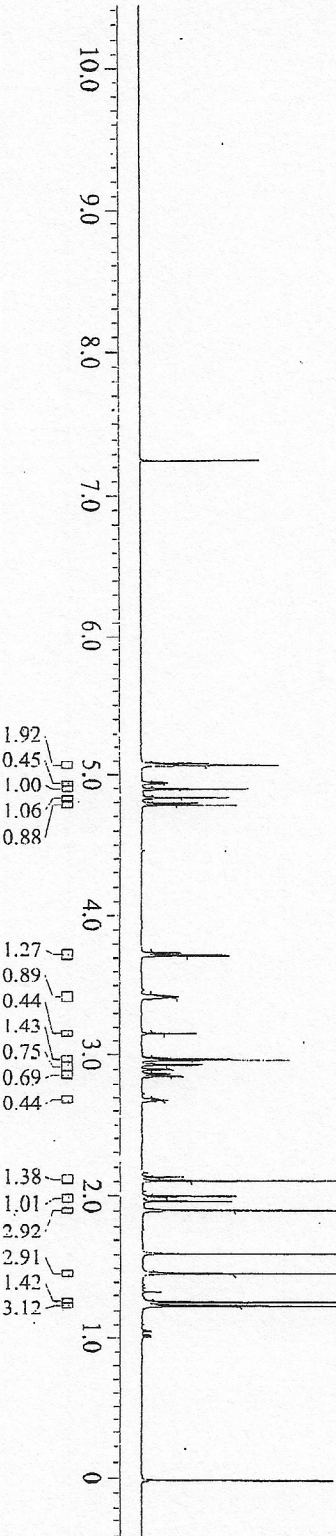
Catalog No.: P-001
Product Name: Picrotoxin
Lot No.: 2306821



----- PROCESSING PARAMETERS -----
sweep (0.2[Hz], 0.0[s])
trapzoid(0[%], 0[%], 80[%], 100[%])
zerofill(1)
frc (1, TRUE, TRUE)
machinephase
ppm

Derived from: PTX_proton-1-1.jdf

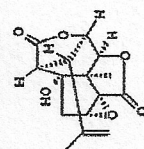
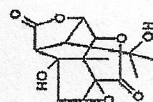
Filename = PTX_proton-1-2.jdf
Instrument = NMR-500MHz (JEOL)
Instrument id = NMR-02
Author = 1609
Reviewed by = Ranjith
Solvent = CHLOROFORM-D
Spectrometer = JNM-EZ500R/SI
Experiment = proton.jxp
Acquisition Parameter
X_Domain = Proton
X_Offset = 7 [ppm]
X_Sweep = 11.2815845 [kHz]
Scans = 16
Relaxation_Delay = 2 [s]



X : ppm : Proton



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5.081
5.071
5.068
5.064

4.949
4.942
4.939
4.932

4.895
4.888

4.834
4.830

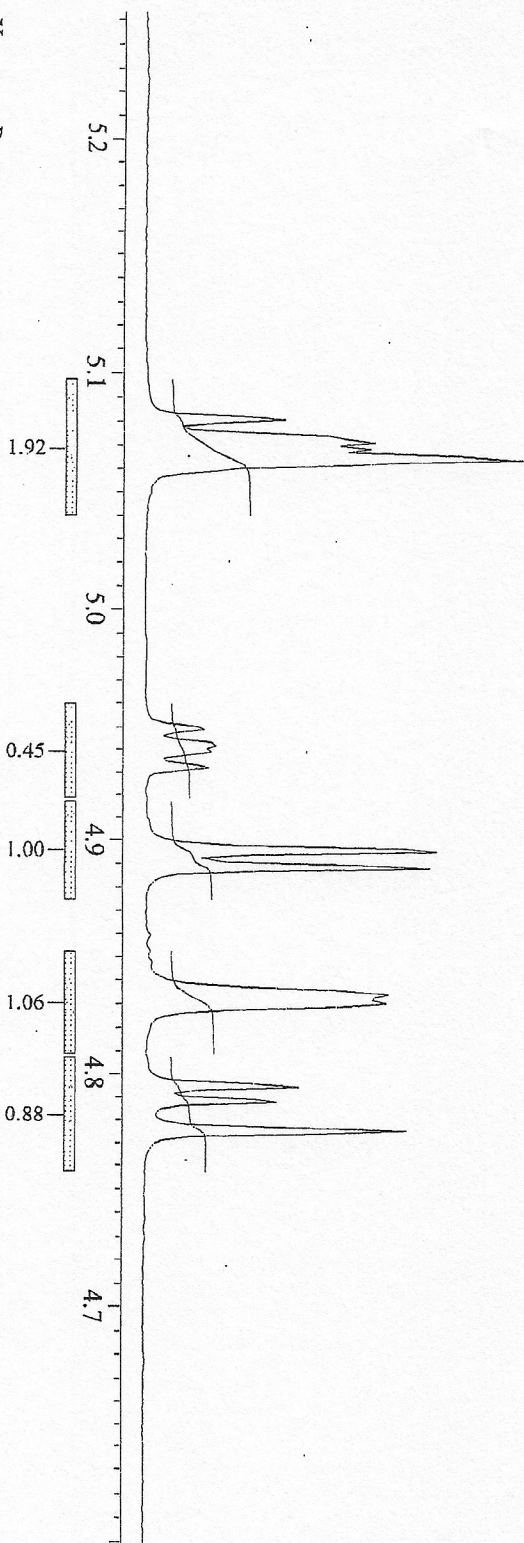
4.795
4.788
4.775

Catalog No.: P-001
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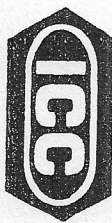
----- PROCESSING PARAMETERS -----
sexp (0.21[Hz], 0.01[s])
trapexoid (01[s], 01[s], 80[%], 100[%])
zerofill (1)
fft (1, TRUE, TRUE)
machinephase
ppm

Derived from: PTX_proton-1-1.jdf

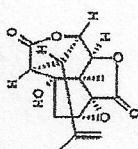
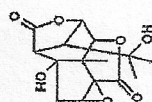
Filename = PTX_proton-1-2.jdf
Instrument = NMR-500MHz (JEOL)
Instrument Id = NMR-02
Author = 1609
Reviewed by = Ranjith
Solvent = CHLOROFORM-D
Spectrometer = JNM-EKZ500R/SL
Experiment = proton.jxp
Acquisition Parameter
K_Domain = Proton
K_Offset = 7[ppm]
K_Sweep = 11.28158845[kHz]
Scans = 16
Relaxation_Delay = 2[s]



X : ppm : Proton



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3.733
3.726
3.718
3.711

3.425

3.147

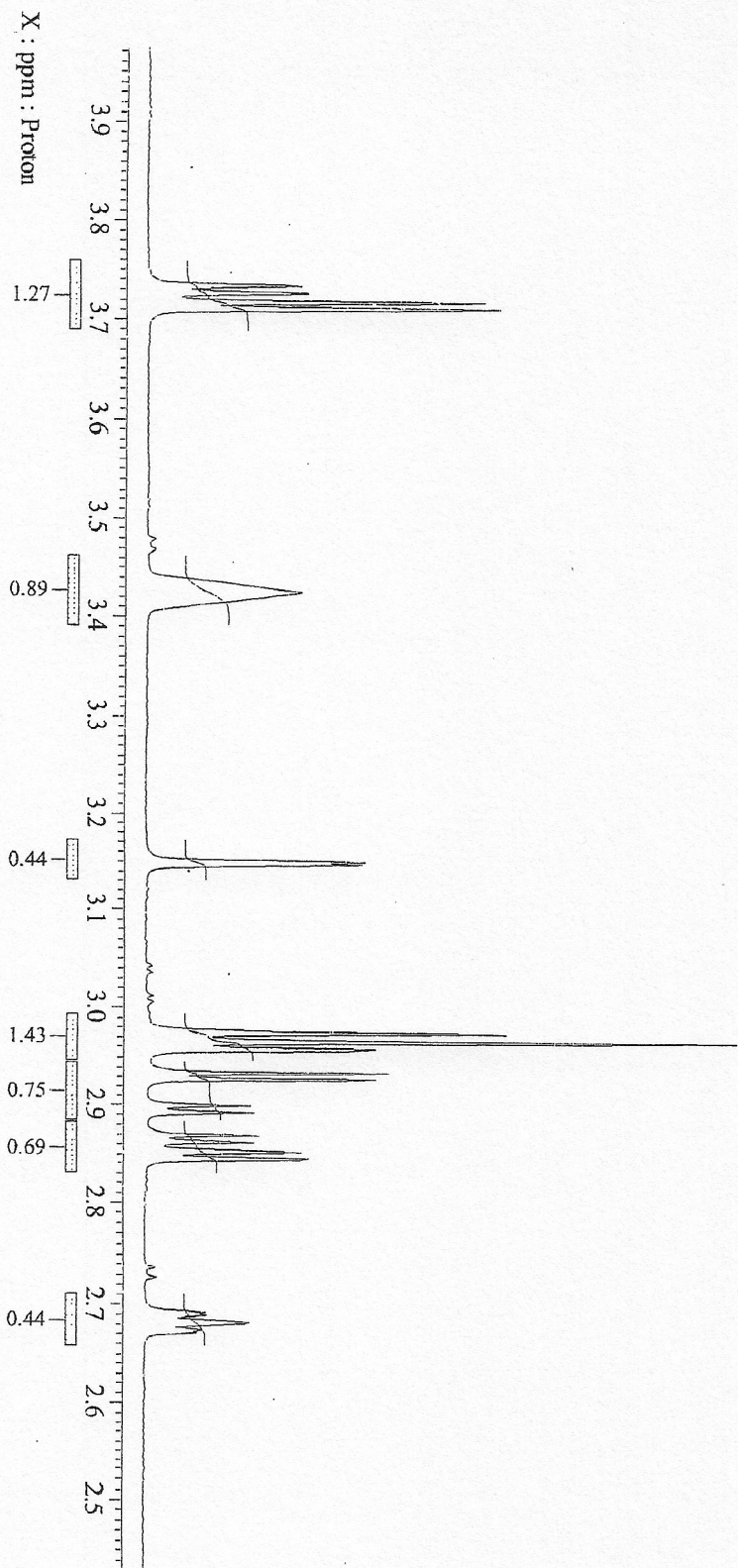
2.973
2.965
2.958
2.935
2.928
2.899
2.892
2.869
2.862
2.852
2.845
2.692
2.690
2.682
2.674
2.672

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----- PROCESSING PARAMETERS -----
sexp (0.2[Hz], 0.0[s])
trapezoid(0[%], 0[%], 80[%], 100[%])
zerofill(1)
fit(1, TRUE, TRUE)
machephase
ppm

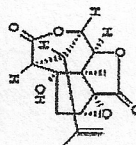
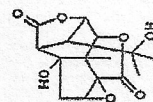
Derived from: PFX_proton-1-1.jdf

Filename = PFX_proton-1-2.jdf
Instrument = NMR-500MHz (JEOL)
Instrument Id = NMR-02
Author = 1609
Reviewed by = Ranjith
Solvent = CHLOROFORM-D
Spectrometer = JNM-ECZ500R/SL
Experiment = proton.jxp
Acquisition Parameter
X Domain = Proton
X_Offset = 7[ppm]
X_Sweep = 11.2815845[Hz]
Scans = 16
Relaxation_Delay = 2[s]





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2.131
2.104
1.996
1.965
1.906

1.464
1.460

1.256
1.230

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----- PROCESSING PARAMETERS -----
sexp (0.2 [Hz], 0.0 [s])
trapezoid (0 [s], 0 [s], 80 [s], 100 [s])
zerofill (1)
fft (1, TRUE, TRUE)
machinephase
ppm

Derived from: PTX_proton-1-1.j4f

Filename = PTX_proton-1-2.j4f
Instrument = NMR-500MHz (JEOL)
Instrument id = NMR-02
Author = 1609
Reviewed by = Ranjith
Solvent = CHLOROFORM-D
Spectrometer = JNM-EZ500R/S1
Experiment = proton.jxp
Acquisition Parameter
X_Domain = proton
X_Offset = 7 [ppm]
X_Sweep = 11.28158845 [kHz]
Scans = 16
Relaxation_Delay = 2 [s]

