

CERTIFICATE OF ANALYSIS

Catalog Number: P-001

Product Name: **PICROTOXIN**
(Cocculin)

Cas Number: [124-87-8]

Lot Number: 1808118

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

Molecular Weight: 602.59

Melting Point: 200-202°C

Appearance: White powder

Source: Natural from Anamirta cocculus seeds

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

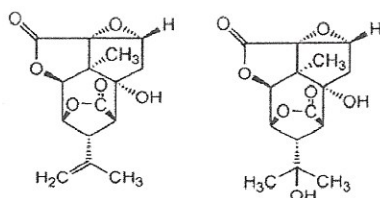
Solubility: Soluble in DMSO

Moisture (KF): 0.39%

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.14%



Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and approved by:
Sujata Moton
S. Moton
VP



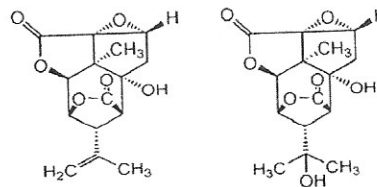
INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30
Hillsborough, NJ 08844 USA
Phone: (908) 359-6778; Fax: (908) 359-1179

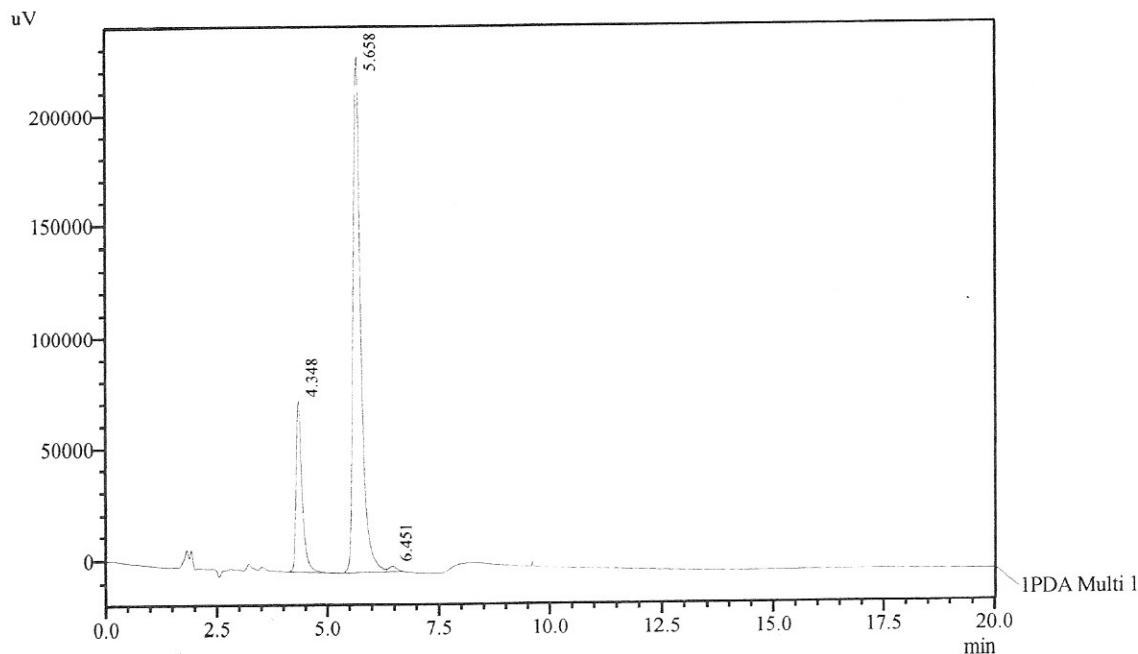
HPLC ANALYSIS

Acquired by : Admin
Sample Name : Picrotoxin
Sample ID : 1.1 kg-LOT
Injection Volume : 20 uL
Data Filename : 230718B.lcd
Method Filename : Linear Isocratic.M.lcm
Report Filename : Default.lcr

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Chromatogram



1 PDA Multi 1 / 200nm 4nm

PeakTable

PDA Ch1 200nm 4nm

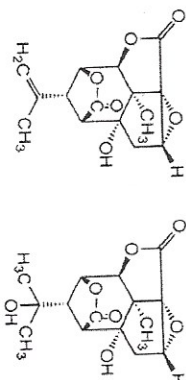
Peak#	Name	Ret. Time	Height	Area %	Relative Retention Time
1	Picrotin	4.348	76794	20.66	0.77
2	Picrotoxin	5.658	232354	78.48	1.00
3	RT:6.451	6.451	2324	0.86	1.14
Total			311472	100.00	

Prepared by:
Ramesh Mandadi
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Director of Operations

Reviewed and Approved by:
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Sujata Moton
VP



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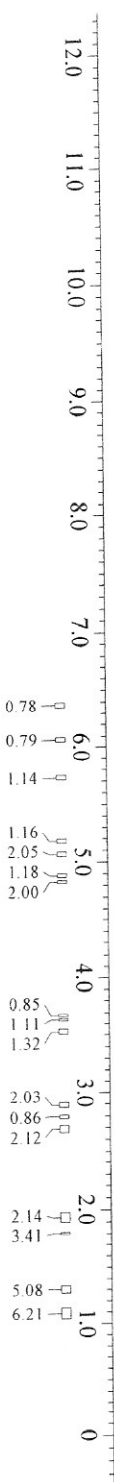


6.373
6.066
5.728
5.186
5.066
5.059
4.886
4.836
4.829
3.684
3.677
3.641
3.635
3.533
2.894
2.884
2.899
2.798
2.678
1.966
1.941
1.914
1.802
1.315
1.286
1.122
1.061

----- PROCESSING PARAMETERS -----
secp (0.2[hz], 0.0[s])
trapezoid(0[%], 0[%], 80[%], 100[%])
zerofill(1)
fft(1, TRUE, TRUE)
machinephase
ppm
auto_reference(5[%], TRUE)
Derived from: PTX-1.1kg

Filename = PTX-1.1kg
Instrument = NMR-500MHz(JEOL)
Instrument id = NMR-02
Author = gzy1243
Reviewed by = Purushotham
Solvent = DMSO-D6
Spectrometer = JNM-ECZ500R/S1
Experiment = proton.jrp

Acquisition Parameter
X_Domain = 1H
X_Offset = 7.0[ppm]
X_Sweep = 11.28158845[kHz]
Scans = 16
Relaxation_Delay = 2[s]
Temp_Get = 23.7[dc]

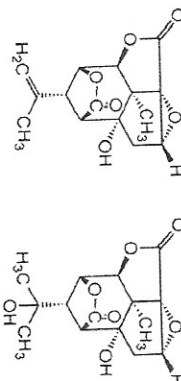


X : ppm : Proton

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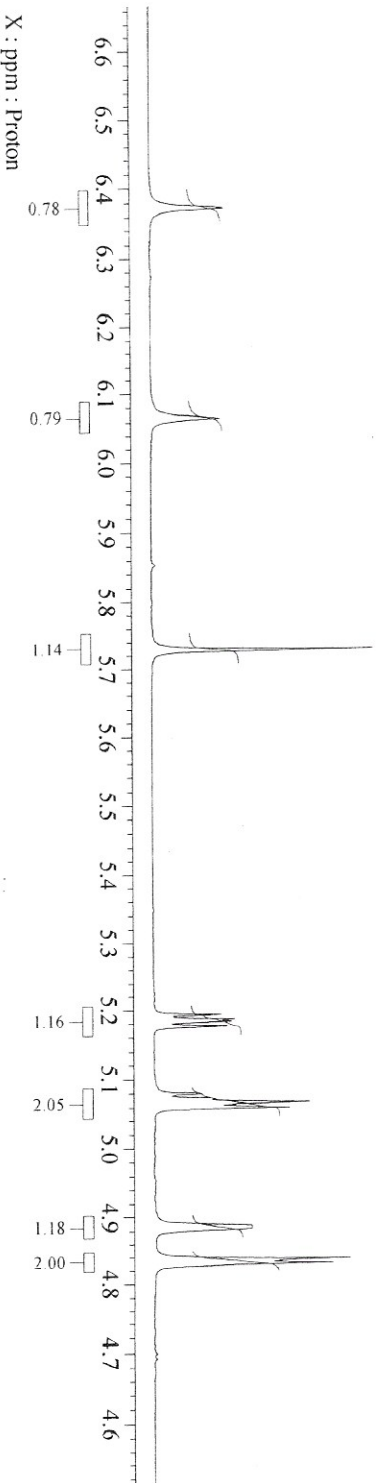
Catalog No.: P-001
Product Name: Picrotoxin
Lot No.: 1808118



----- PROCESSING PARAMETERS -----
sweep (0.2[Hz], 0.01[s])
taperoid (0[%], 01[%], 80[%], 100[%])
zerofill (1)
fft (1, TRUE, TRUE)
machinphase
ppm
auto_reference (5[%], TRUE)
Derived from: PTX-1.1kg

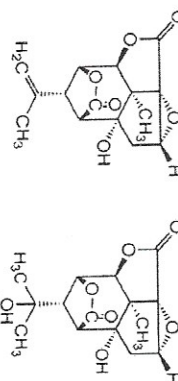
Filename = PTX-1.1kg
Instrument = NMR-500MHz (JEOL)
Instrument id = NMR-02
Author = gry1243
Reviewed by = Purushotham
Solvent = DMSO-D6
Spectrometer = JNM-ECZ500X/SI
Experiment = proton.jxp

Acquisition Parameter
X Domain = 1H
X_Offset = 7.0[ppm]
X_Sweep = 11.28158645[kHz]
Scans = 16
Relaxation_Delay = 2[s]
Temp_Get = 23.7[degC]





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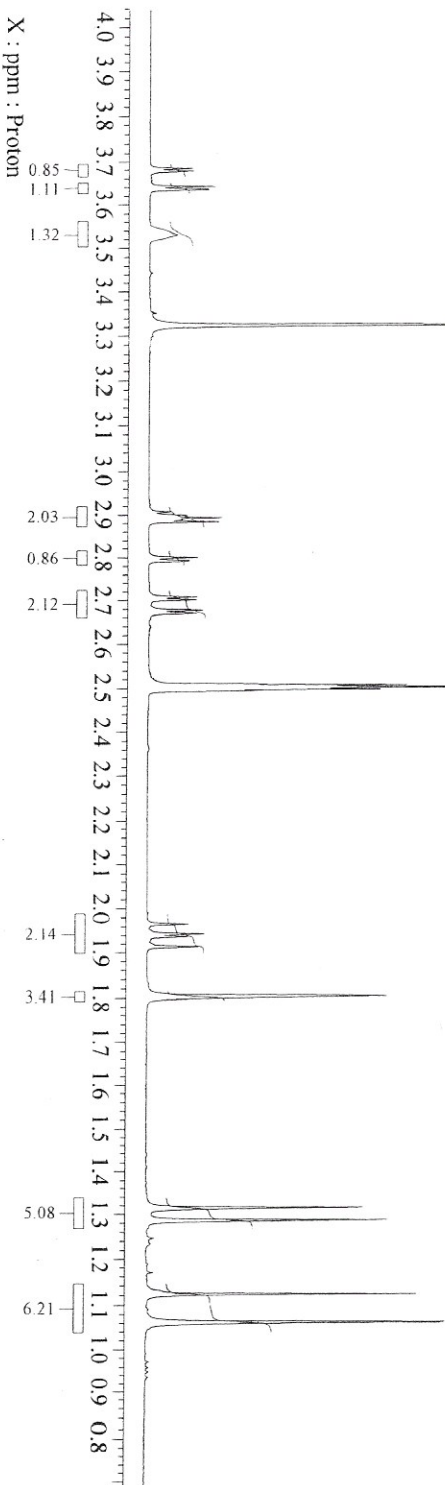
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3.684
3.677
3.641
3.635
3.533

2.908
2.898
2.894
2.890
2.884
2.800
2.793
2.708
2.701
2.678
2.671

1.966
1.941
1.937
1.914
1.802

1.315
1.286
1.122
1.061



----- PROCESSING PARAMETERS -----
sexp(0.2Hz), 0.0[s])
trepzoid(0[%], 0[%], 80[%], 100[%])
zerofill(1)
fft(1, TRUE, TRUE)
machinphase
ppm
auto_reference(5[%], TRUE)
Derived from: PTX-1.1kg

Filename = PTX-1.1kg
Instrument = NMR-500MHz (JEOL)
Instrument id = NMR-02
Author = gpy1243
Reviewed by = Furushocham
Solvent = DMSO-D6
Spectrometer = JNM-EC2500R/SI
Experiment = proton.jxp

Acquisition Parameter
X_Domain = 1H
X_Offset = 7.01[ppm]
X_Sweep = 11.2815845[kHz]
Scans = 16
Relaxation_Delay = 2[s]
Temp_Get = 23.7[degC]