



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: 1612739

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

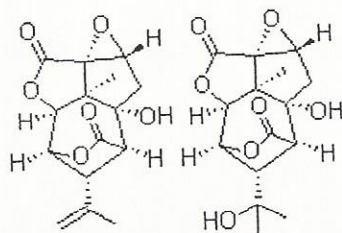
Solubility: Soluble in DMSO

Moisture (KF): 0.33%

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.36%





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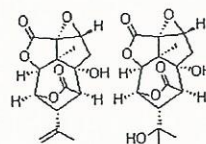
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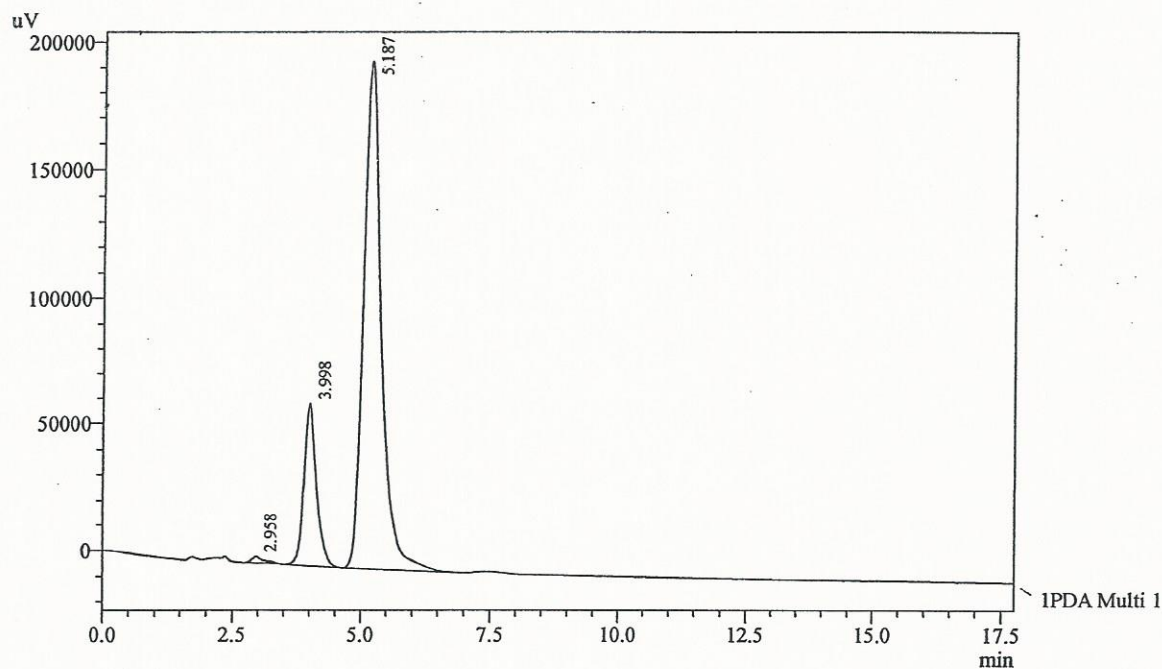
HPLC ANALYSIS

Acquired by : Admin
Sample Name : Picrotoxin
Sample ID : 1.0 kg
Injection Volume : 1 uL
Data Filename : 221016H.lcd
Method Filename : Linear Isocratic.M.lcm
Report Filename : Default.lcr

Catalog No.: P-001
Product Name: Picrotoxin
Lot No.: 1612739



Chromatogram



1 PDA Multi 1 / 200nm 4nm

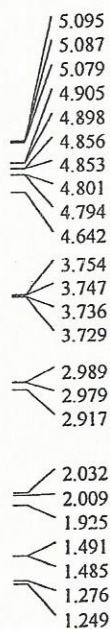
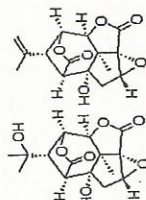
PeakTable

PDA Ch1 200nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.958	2.958	38184	0.64	0.00
2	RT:3.998	3.998	1088505	18.23	0.00
3	RT:5.187	5.187	4844348	81.13	0.00
Total			5971037	100.00	



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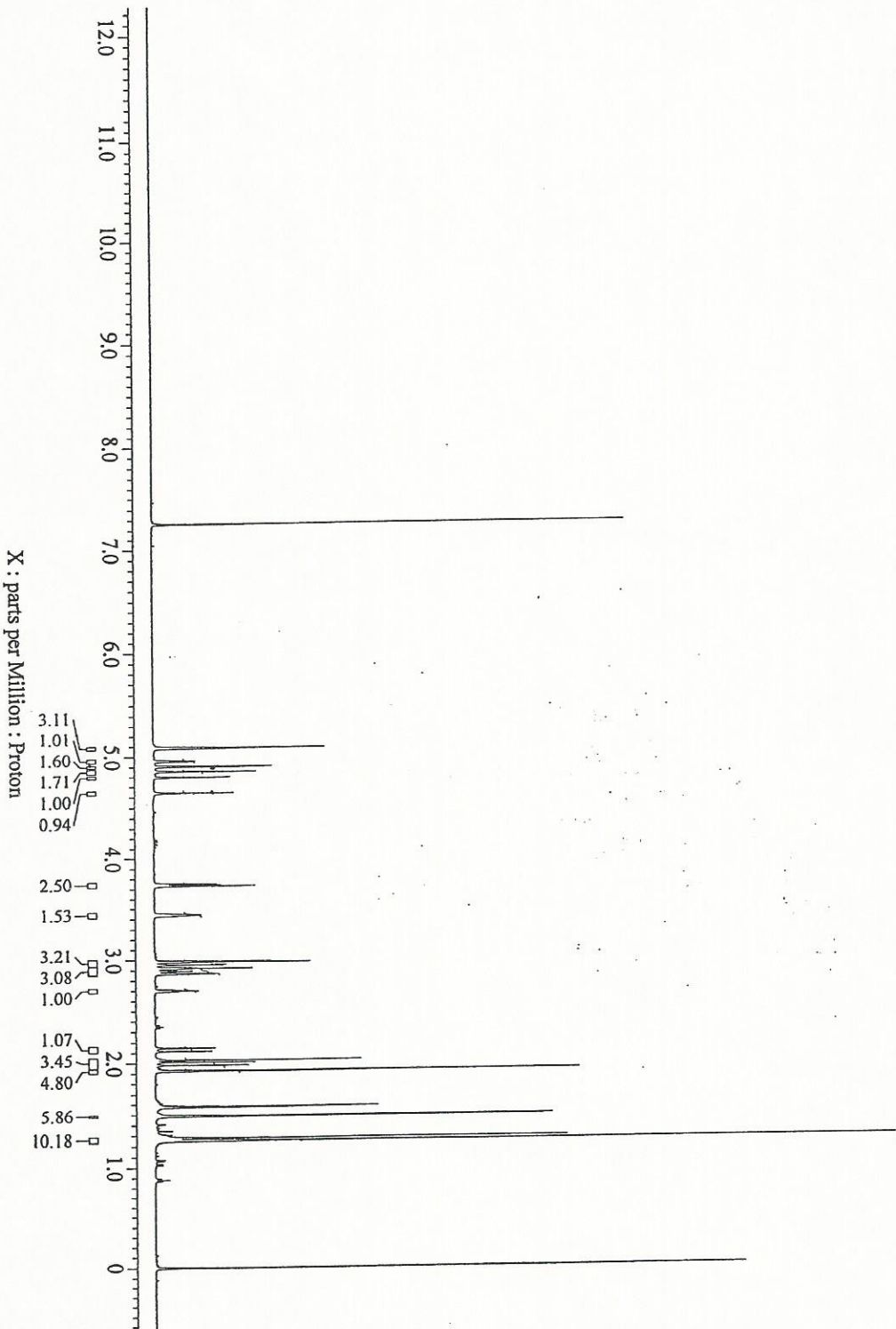


Catalog No.: P-001
Product Name: Picrotoxin
Lot No.: 1612739

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

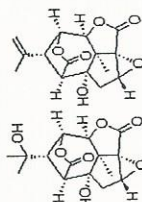
Instrument Id - RMR-02
Author - gxy1243
Solvent - CHLOROFORM-D
Spectrometer - JNM-ECZ500R/S1
Experiment - proton.jcp

Acquisition Parameter
X_Domain - 1H
X_Offset - 7.0 [ppm]
X_Sweep - 11.2815845 [kHz]
Scans - 16
Relaxation_Delay - 2 [s]





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Catalog No.: P-001
Product Name: Picrotoxin
Lot No.: 1612739

2.989
2.979
2.956
2.949
2.924
2.917
2.895
2.888
2.870
2.864
2.708
2.700
2.690

2.146
2.116
2.046
2.032
2.009
1.978
1.925

1.491
1.485

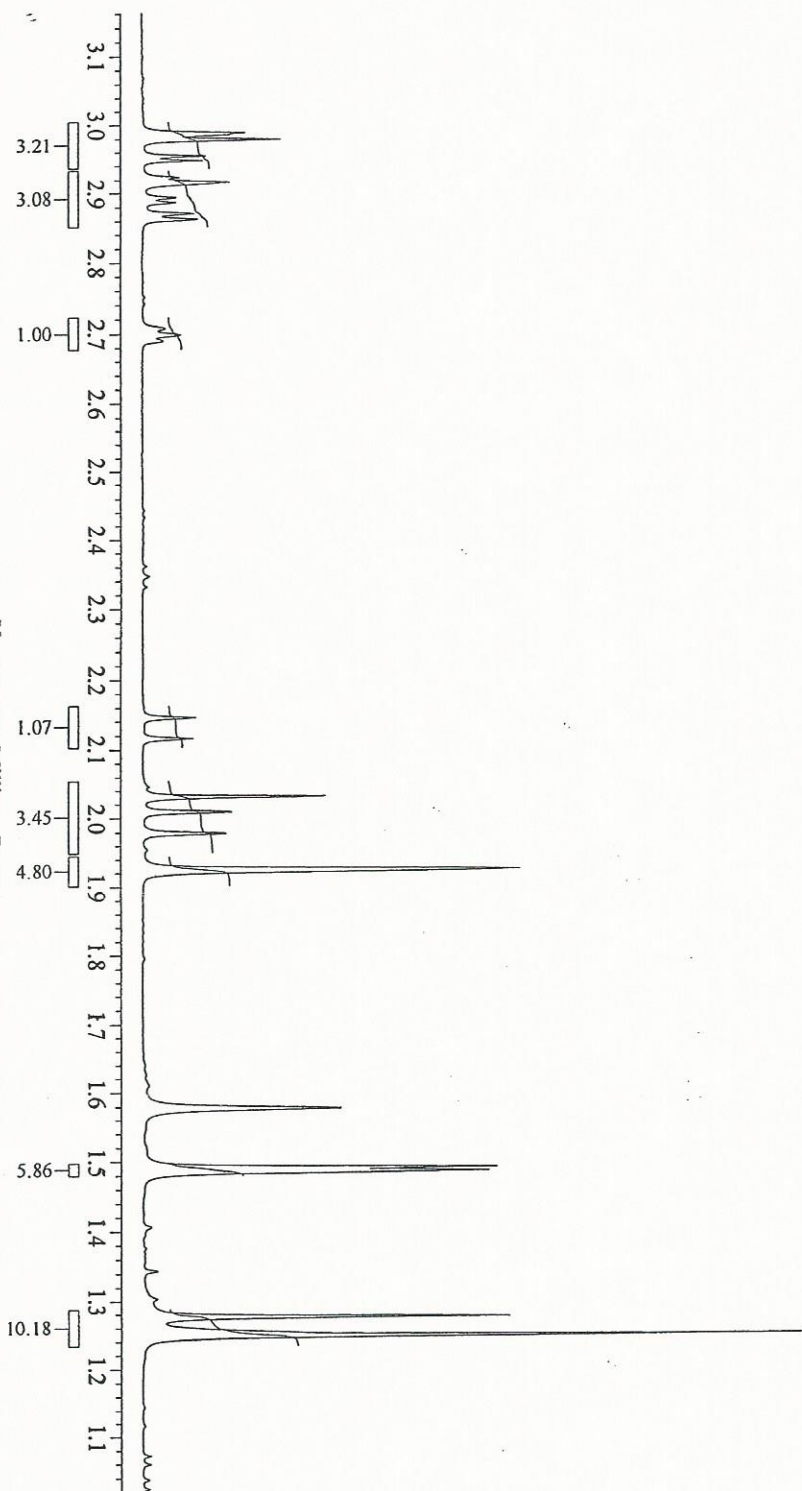
1.276
1.249

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



Instrument Id - NMR-02
Author = gyl243
Solvent = CHLOROFORM-D
Spectrometer = JNM-ECZ500R/SI
Experiment = proton.jxp

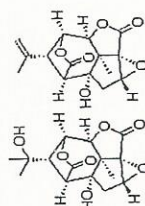
Acquisition Parameter
X_Domain = 1H
X_Offset = 7.0[ppm]
X_Sweep = 11.2815845[kHz]
Scans = 16
Relaxation_Delay = 2[s]



X : parts per Million : Proton



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Catalog No.: P-001
Product Name: Picotoxin
Lot No.: 1612739

5.095
5.087
5.079
4.958
4.948
4.905
4.898
4.856
4.853
4.801
4.794
4.642

3.754
3.747
3.736
3.729
3.440

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

Instrument id = NMR-02
Author = gyl243
Solvent = CHLOROFORM-D
Spectrometer = UNM-BCZ500R/SI
Experiment = proton.jxp

Acquisition Parameter
X_Domain = 1H
X_Offset = 7.0 [ppm]
X_Sweep = 11.2615845 [kHz]
Scans = 16
Relaxation_Delay = 2 [s]

