

INDOFINE Chemical Company, Inc.

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

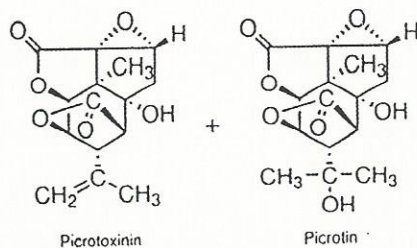
Phone: (908) 359-6778 • FAX: (908) 359-1179

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>	1611916
<u>Chemical Formula:</u>	$C_{30}H_{34}O_{13}$
<u>Molecular Weight:</u>	602.58
<u>Melting Point:</u>	200-202°C
<u>Appearance:</u>	White powder
<u>TLC:</u>	Chloroform:Methanol (9:1) Two spots
<u>Solubility:</u>	Soluble in DMSO
<u>Moisture (KF):</u>	0.33%
<u>NMR Spectrum:</u>	Enclosed (conforms to the structure)
<u>Storage:</u>	Store in a cool, dry place
<u>Purity(HPLC):</u>	99.36%





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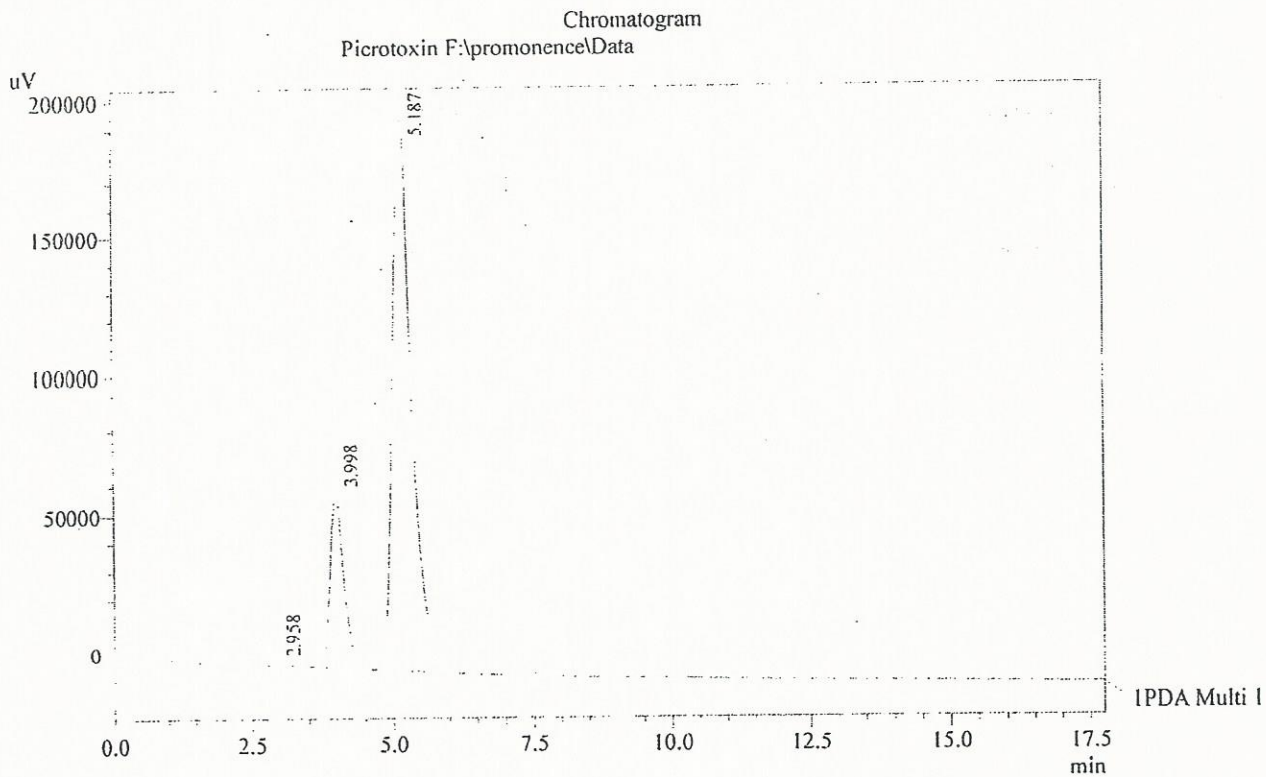
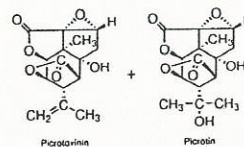
website: www.indofinechemical.com

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HPLC ANALYSIS

Acquired by : Admin
 Sample Name : Picrotoxin
 Sample ID : 1.1 kg Lot
 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.: 1611916



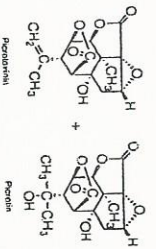
1 PDA Multi 1 / 200nm 4nm

PeakTable

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.: 1611916

proton-1-2.jul



```

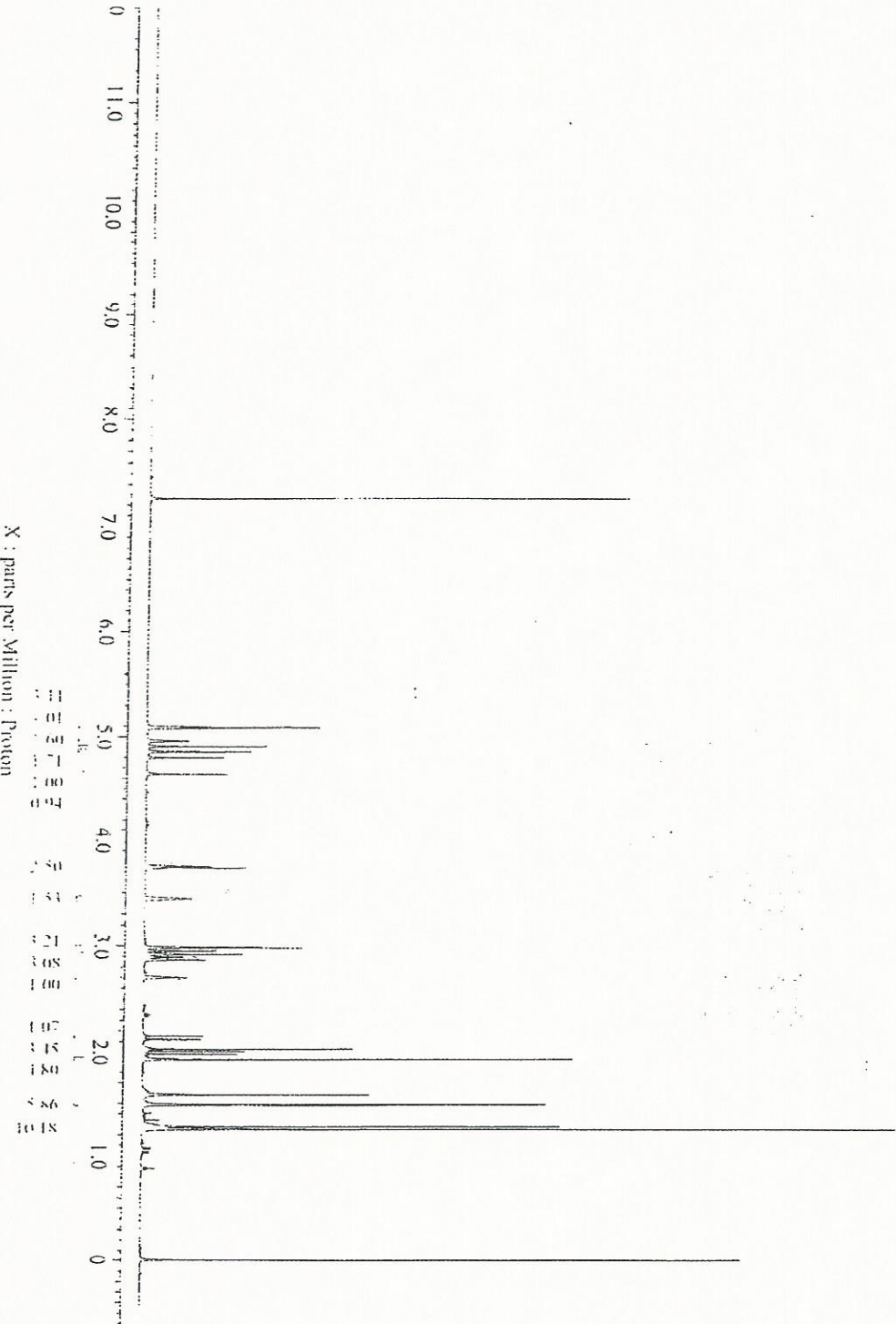
----- PROCESSING PARAMETERS -----
saxpr 0.2[Hz], 0.0[s] )
krpzoid( 0[%], 0[%], 80[%], 100[%] )
zerofill( 1 )
fft( 1, TRUE, TRUE )
machinphase
ppm
  
```

```

Filename      = PTX-2.kg
Instrument Id  = NMR-02
Author        = gzy1243
Solvent       = CHLOROFORM-D
Spectrometer  = JNM-ECZ500R/S1
Experiment    = proton.jxp
  
```

```

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

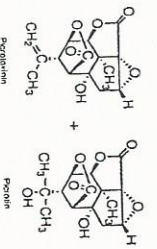


X : parts per Million : Proton



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proton-1-2.jdf



Catalog No.: P-001
 Product Name: Picrotoxin
 Lot No.: 1611916



```

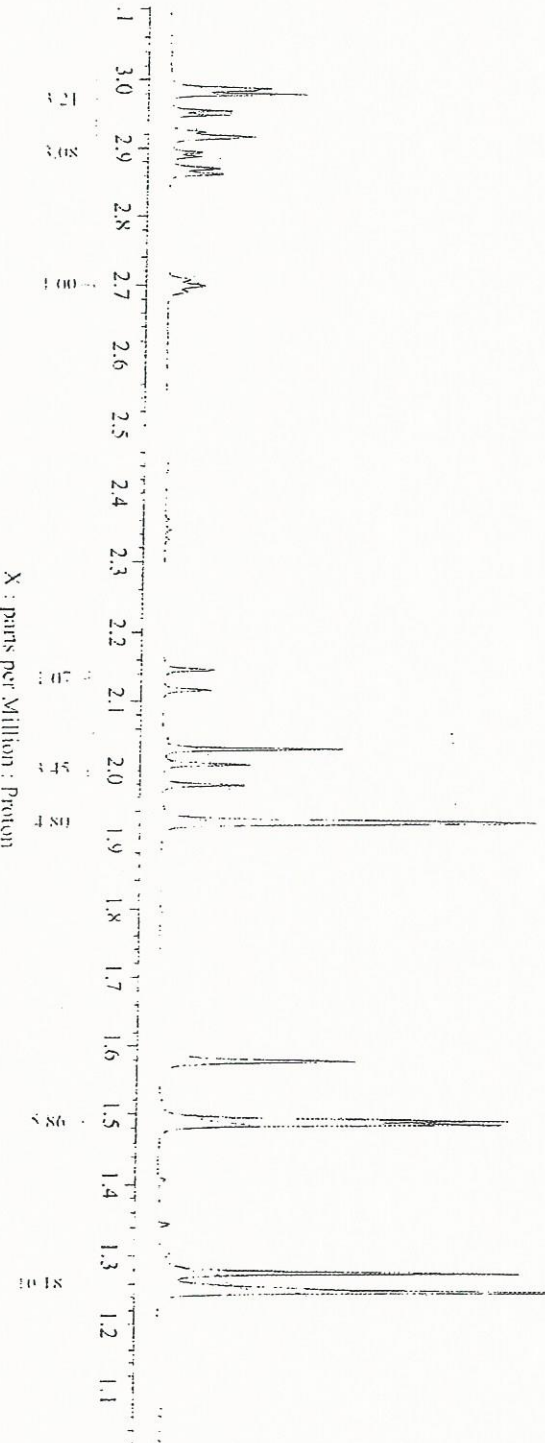
---- PROCESSING PARAMETERS ----
sepf ( 0.2[Hz], 0.0[s] )
trapezoid( 0[%], 0[%], 80[%], 100[%] )
zerofill( 1 )
fft( 1, TRUE, TRUE )
machinephase
ppm
  
```

```

Filename          = PTX-2.kg
Instrument id      = NMR-02
Author            = gzy1243
Solvent           = CHLOROFORM-D
Spectrometer      = JNM-ECZ500R/S1
Experiment        = proton.jxp
  
```

```

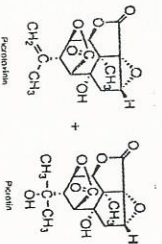
Acquisition Parameter
X Domain          = 1H
X_Offset         = 7.0[ppm]
X_Sweep          = 11.2815845[KHz]
Scans            = 16
Relaxation_Delay = 2[se]
  
```





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proton-1-2.jdt



Catalog No.: P-001
 Product Name: Picrotoxin
 Lot No.: 1611916



```

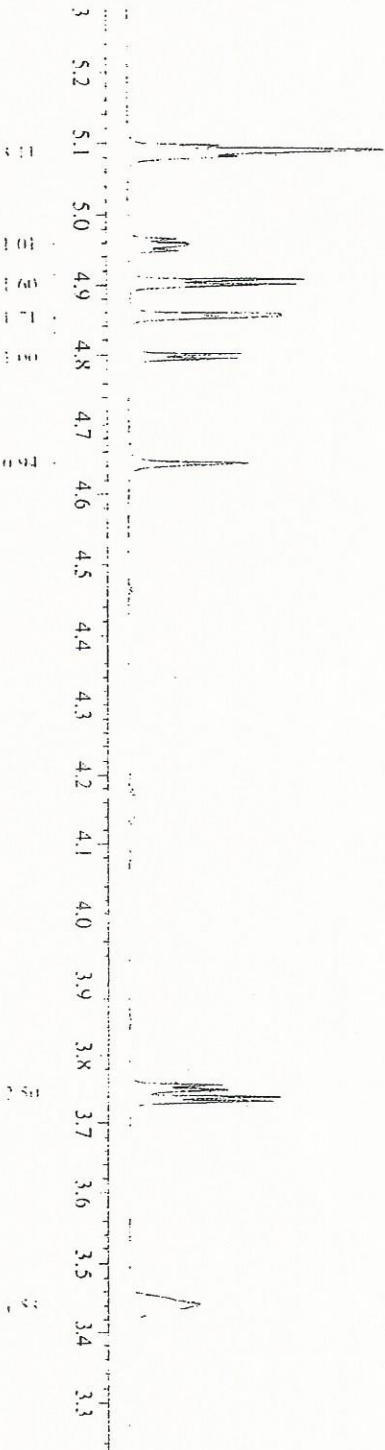
----- PROCESSING PARAMETERS -----
sexp( 0.2[hz], 0.0[s] )
cxapexoid( 0[%], 0[%], 80[%], 100[%] )
zerofill( 1 )
ffc( 1, TRUE, TRUE )
machInPhase
ppm
  
```

```

Filename      = PRX-2.kg
Instrument Id  = NMR-02
Author        = gy1243
Solvent       = CHLOROFORM-D
Spectrometer  = JNM-ECZ500R/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]
  
```



X : parts per Million : Proton