



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

Cat No.: 06-029

Product:

TETRANDRINE

((1-B)-6,6',7,12-Tetramethoxy-2,2'-dimethylberbaman))

CAS Number:

[518-34-3]

Lot Number:

0406230

Chemical Formula:

$C_{38}H_{42}N_2O_6$

Molecular Weight:

622.76

Melting Point:

221-223°C

Appearance:

Off-white powder

Solubility:

Soluble in Chloroform

TLC:

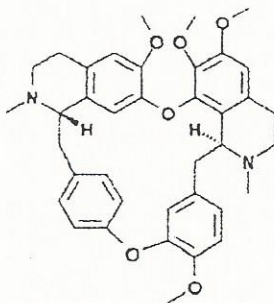
Chloroform:methanol (1:1)

Storage:

Cool dry place

Purity(HPLC):

99.43%





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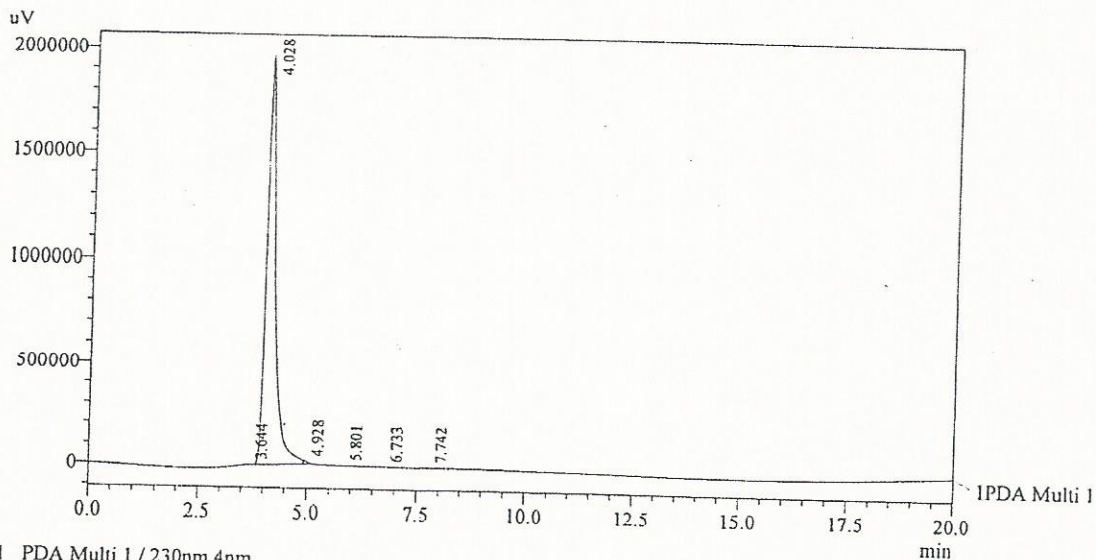
HPLC ANALYSIS

Acquired by : Admin
Sample Name : Tetrandrine
Sample ID : Lot No:- 0406230
Injection Volume : 20 uL
Data Filename : 221111J.lcd
Method Filename : Linear Isocratic.M.lcm

Cat. No.: 06-029
Product name: Tetrandrine
Lot No.: 0406230

Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)
Flow : 0.500 mL/min.
Mobile Phase : A(50% of 0.05% TFA in water) B(50% of Acetonitrile)

Chromatogram



1 PDA Multi 1 / 230nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:3.644	3.644	24869	0.08	0.90
2	RT:4.028	4.028	29431780	99.43	1.00
3		4.928	88293	0.30	1.22
4	RT:5.801	5.801	10273	0.03	1.44
5	RT:6.733	6.733	13819	0.05	1.67
6	RT:7.742	7.742	31563	0.11	1.92
Total			29600597	100.00	



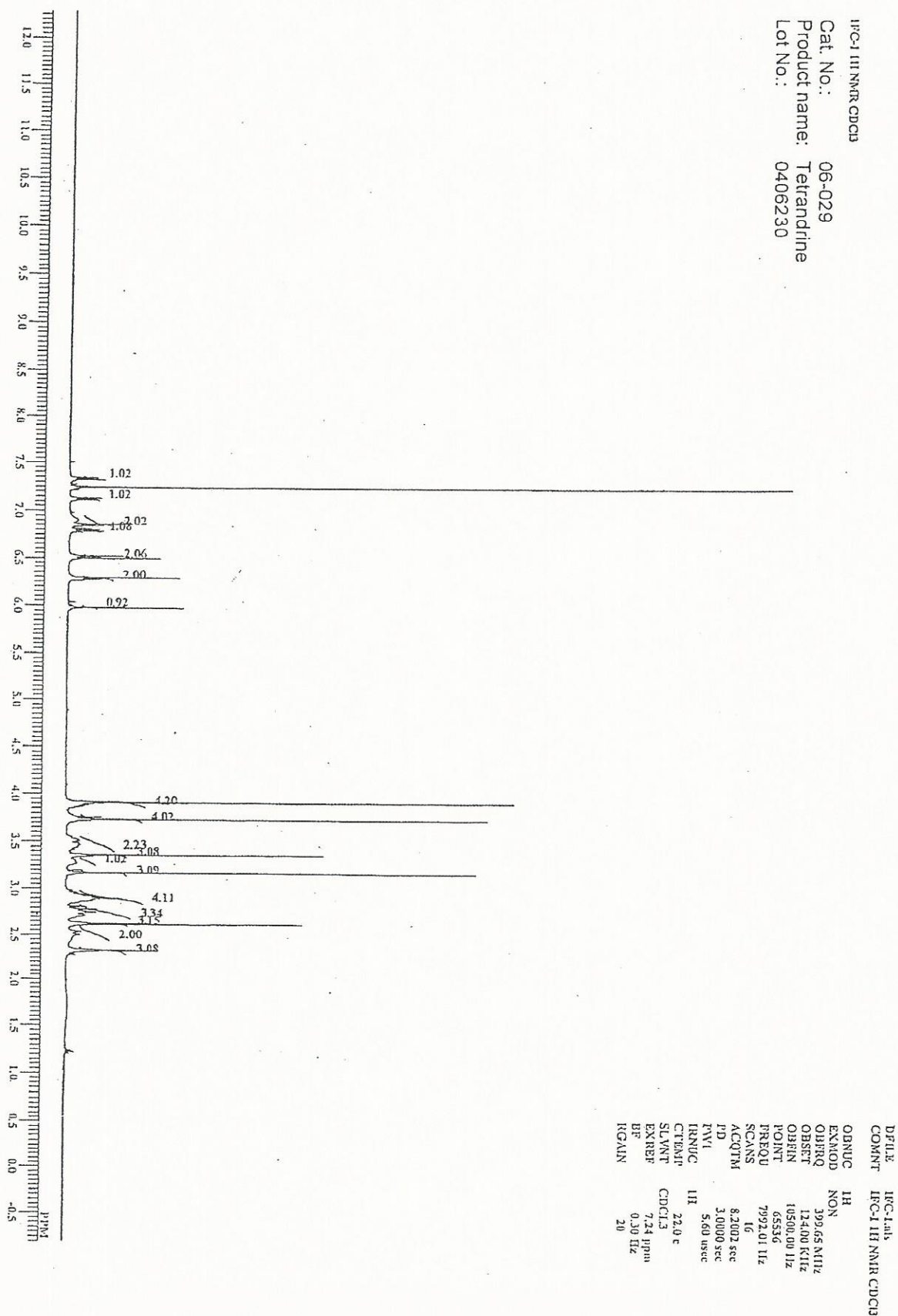
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121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

IPC-1 IH NMR CDCl3

Cat. No.: 06-029

Product name: Tetrandrine

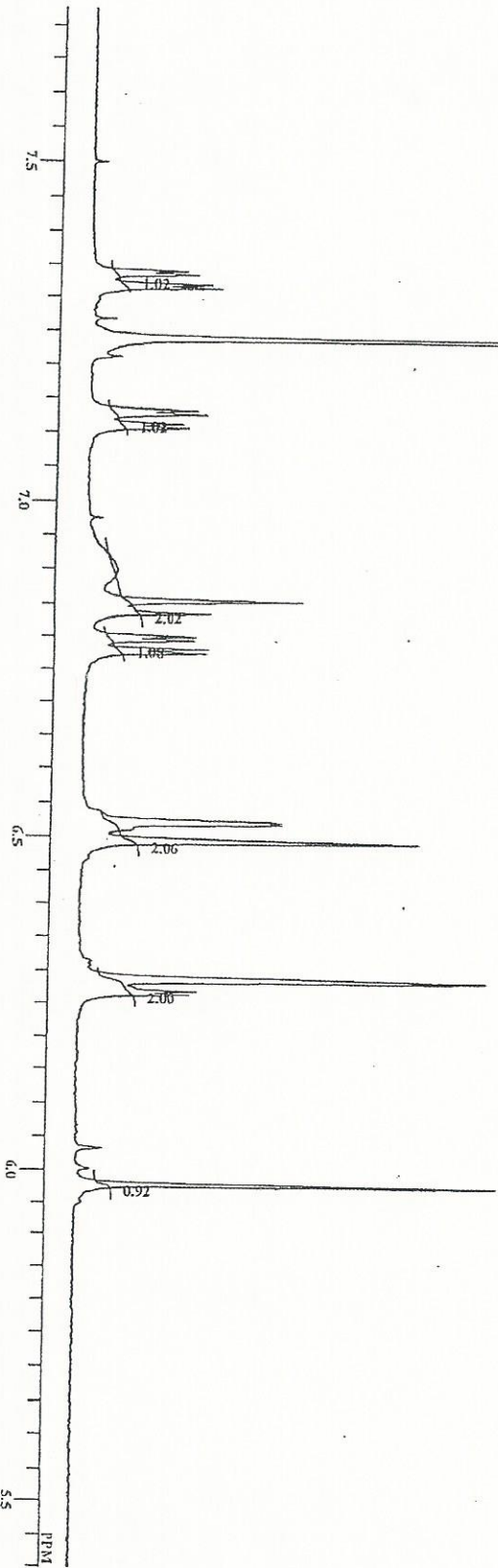
Lot No.: 0406230





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IFC-1 1H NMR CDCl3
Cat. No.: 06-029
Product name: Tetrandrine
Lot No.: 0406230



IFC-1 Lab
IFC-1 1H NMR CDCl3
NAME
COMPT
OBNUC 1H
EXAMOD NON
OBFRO 399.65 MHz
OBSST 124.00 KHz
OBFIN 10560.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 3.0000 sec
PWI 5.60 usec
IRNUC 1H
CTEAP 21.0 C
SLVNT CDCl3
EXREF 7.24 ppm
IR 0.30 Hz
RGAIN 20



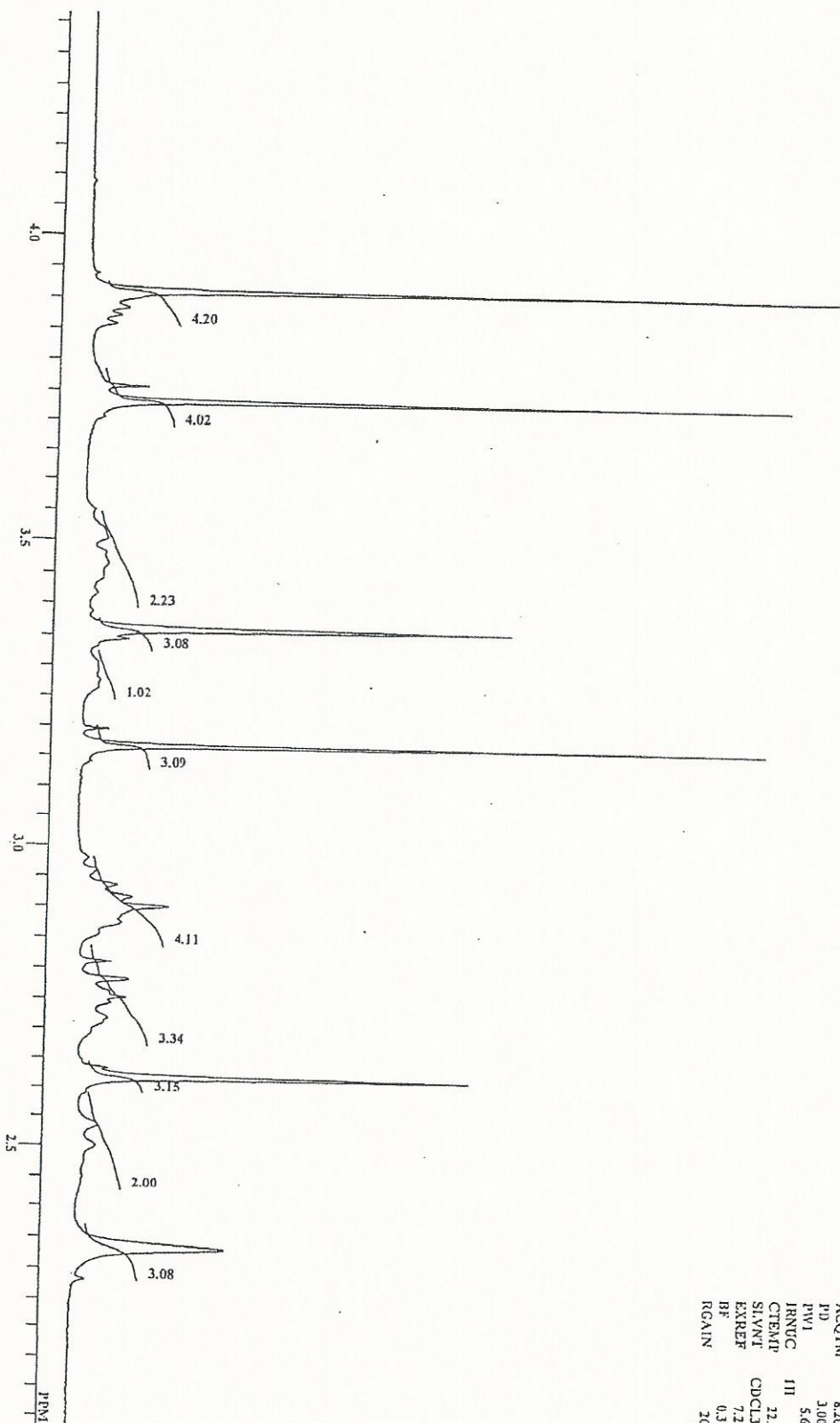
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IFC-1 1H NMR CDCl3

Cat. No.: 06-029

Product name: Tetrandrine

Lot No.: 0406230



FILE IFC-1.mh
COMMENT IFC-1 1H NMR CDCl3
NAME
ONUC III
EXMOD NON
OBRQ 399.65 MHz
OBSPT 124.00 kHz
OBRN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.1002 sec
PD 3.0000 sec
PWI 5.60 usec
IRNUC III
CTEMP 12.0 c
SIVNI CDCl3
EXREF 7.24 ppm
BF 0.30 Hz
RGAIN 20