



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: H-007

Product Name: **HARMOL**

CAS Number: [487-03-6]

Lot Number: 1311395

Chemical Formula: C₁₂H₁₀N₂O

Molecular Weight: 198.22

Melting Point: 303-305°C

Appearance: Light yellow crystalline powder

Solubility: Soluble in DMSO

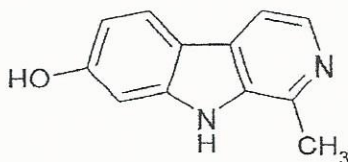
TLC: Chloroform:Methanol (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Mass Spectrum: Complies (M⁺-198.8)

Storage: Store in a cool, dry place

Purity (HPLC): 99.34%





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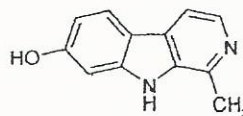
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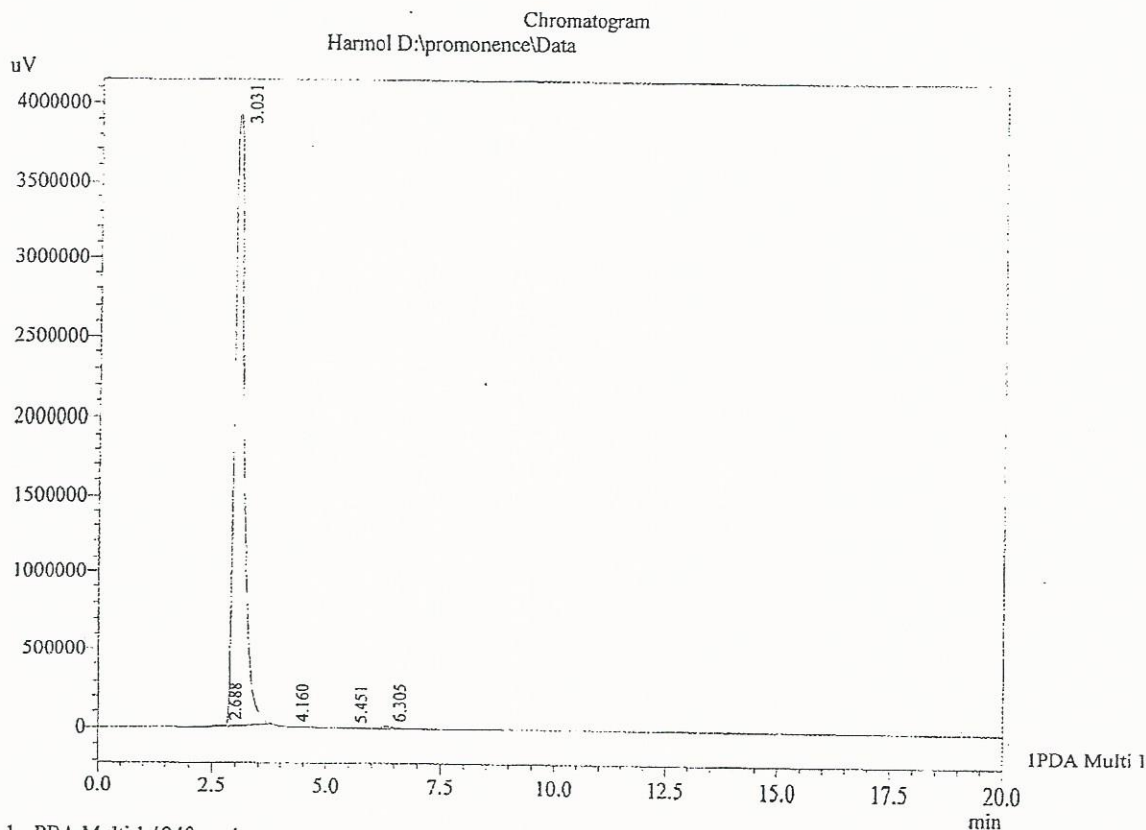
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : Harmol
Sample ID : 500gm Lot
Injection Volume : 20 uL
Data Filename : 081113D.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: H-007
Product Name: Harmol
Lot No.: 1311395



Column : Inertsil ODS, (250mm x4.6mm 5.0μ)
Flow : 1.500 mL/min.
Mobile Phase : Phosphate buffer:Acetonitrile(550:450)



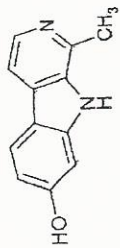
PDA Ch1 240nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.688	2.688	105914	0.18	0.89
2	Harmol	3.031	58642384	99.33	1.00
3	RT:4.160	4.160	3202	0.01	1.37
4	RT:5.451	5.451	22959	0.04	1.80
5	RT:6.305	6.305	261160	0.44	2.08
Total			59035620	100.00	



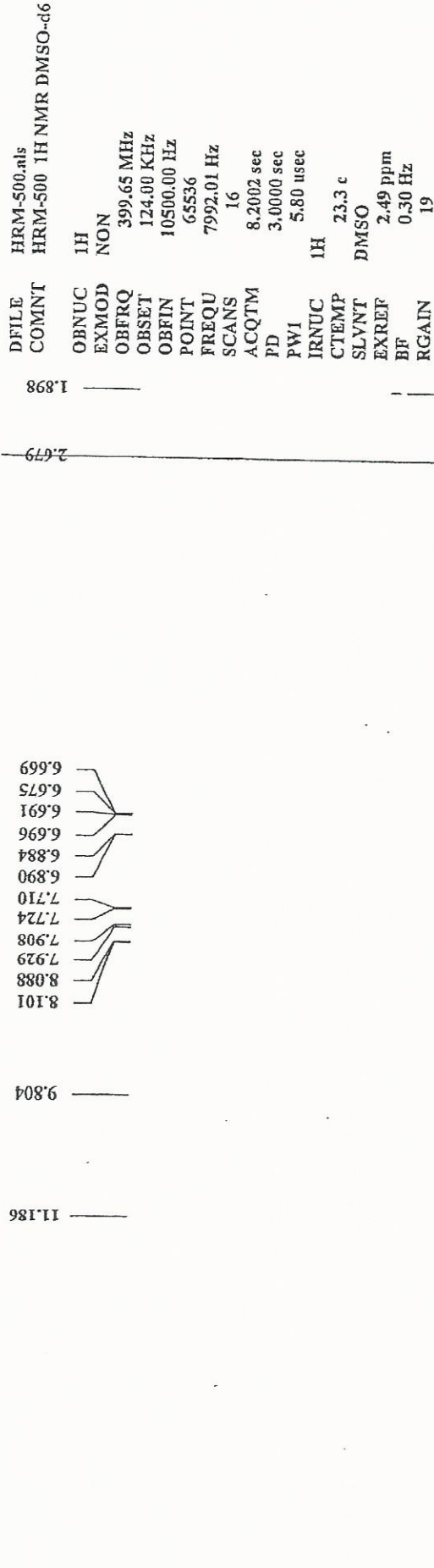
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BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844



Catalog No.: H-007
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Lot No.: 1311395

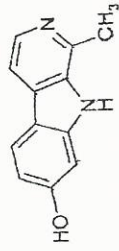
HRM-500 1H NMR DMSO-d6

Analysed By : TJR





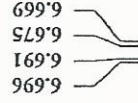
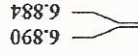
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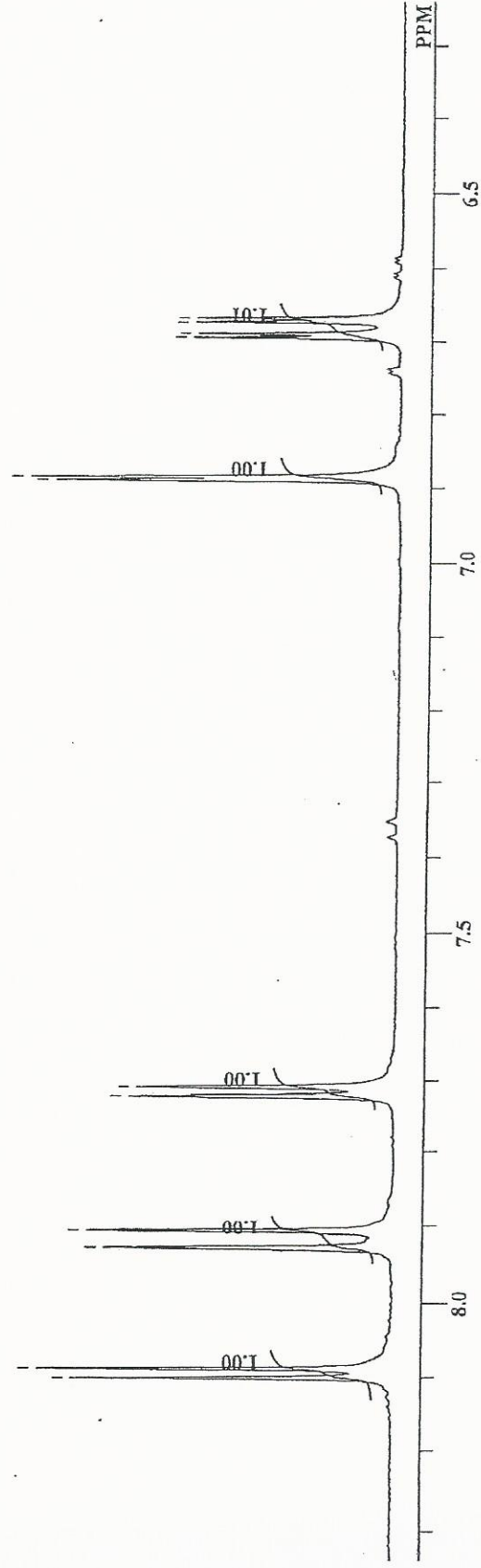
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HRM-500 1H NMR DMSO-d6

Analysed By: TJR



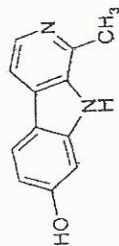
DFILE	HRM-500.als
COMNT	HRM-500 1H NMR DMSO-d6
OBNUC	1H
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	65536
FREQU	7992.01 Hz
SCANS	16
ACQTM	8.2002 sec
PD	3.0000 sec
PW1	5.80 usec
IRNUC	1H
CTEMP	23.3 c
SLVNT	DMSO
EXREF	2.49 ppm
BF	0.30 Hz
RGAIN	19





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Sample Information
Sample Name : HRM
Batch No : -
Data File : HRM-01.fcd
Method File : Test1(ESI).lcm
Acquired by : KKiran

MS Spectrum Graph

Probe : ESI
Polarity:Pos

