



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: A-001

Product Name: **L-ABRINE**
(N-Methyltryptophan)

CAS Number: [526-31-8]

Lot Number: 1406467

Chemical Formula: $C_{12}H_{14}N_2O_2$

Molecular Weight: 218.25

Melting Point: $>280^{\circ}\text{C}$

Appearance: White powder

TLC: Chloroform:methanol:Acetic acid (7:2:1)

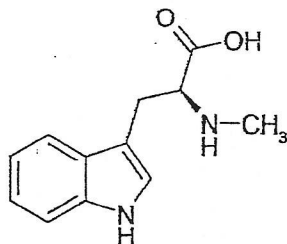
Solubility: Soluble in 1M HCl or in 1M NaOH

Moisture(KF): 0.3%

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.33%





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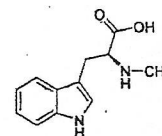
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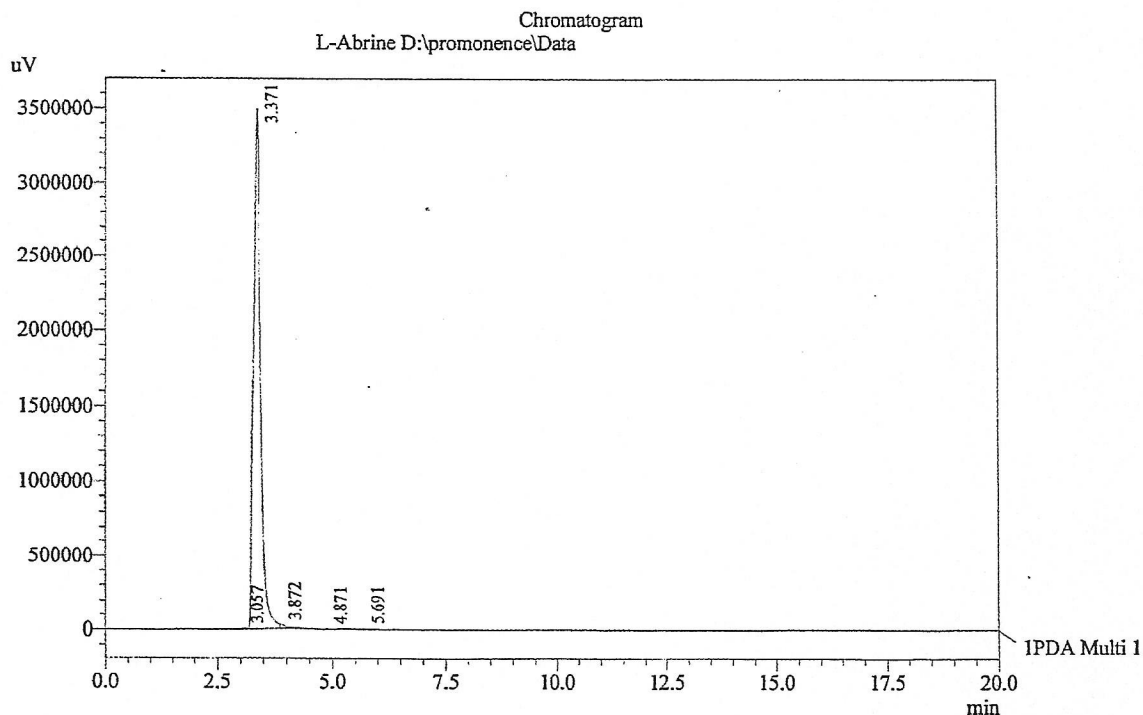
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : L-Abrine
Sample ID : 159 gms Lot
Injection Volume : 20 uL
Data Filename : 030614F.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: A-001
Product Name: L-Abrine
Lot No.: 1406467



Column : Phenomenex Gemini C-18(2), (250mm x4.6mm 5.0μ)
Flow : 0.600 mL/min.
Mobile Phase : A(25% of 0.05% TFA in water) B(75% of Acetonitrile)
Diluent : Mobile Phase



1 PDA Multi 1 / 220nm 4nm

PeakTable

PDA Ch1 220nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:3.057	3.057	29220	0.08	0.91
2	L-Abrine	3.371	37138367	99.33	1.00
3	RT:3.872	3.872	144815	0.39	1.15
4	RT:4.871	4.871	22795	0.06	1.45
5	RT:5.691	5.691	52736	0.14	1.69
Total			37387933	100.00	



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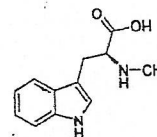
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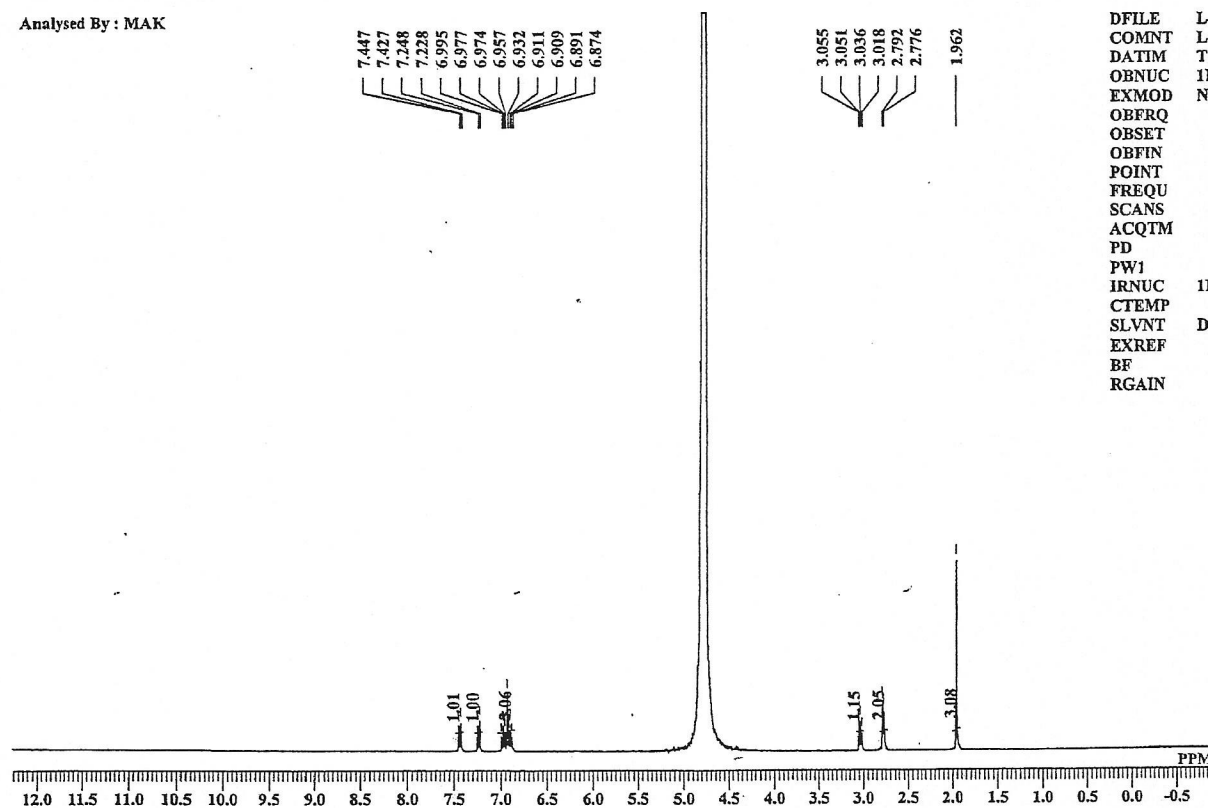
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Product Name: L-Abrine
Lot No.: 1406467



L-AERN 1H NMR D2O+NAOD

Analysed By : MAK



DFILE	L-ABRN 1H.als
COMNT	L-ABRN 1H NMR D2O+NAOD
DATIM	Tue Jun 03 10:27:38 2014
OBNUC	1H
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	65536
FREQU	7992.01 Hz
SCANS	32
ACQTM	8.2002 sec
PD	3.0000 sec
PW1	5.80 usec
IRNUC	1H
CTEMP	21.0 c
SLVNT	D2O
EXREF	4.79 ppm
BF	0.30 Hz
RGAIN	8



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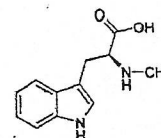
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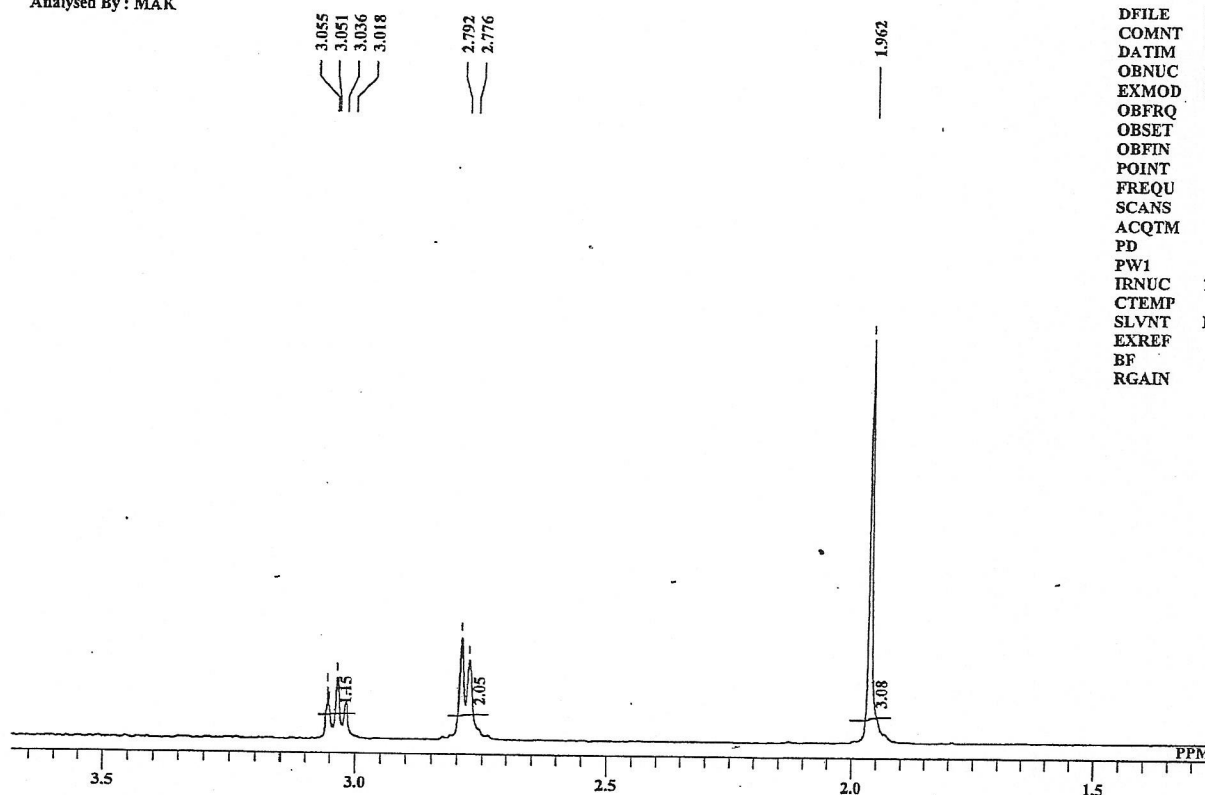
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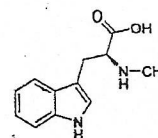
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L-ABRN 1H NMR D2O+NAOD

Analysed By : MAK

7.447
7.427

7.248
7.228

6.995
6.977
6.974
6.957
6.932
6.911
6.909
6.891
6.874

DFILE	L-ABRN 1Hals
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