



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

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CERTIFICATE OF ANALYSIS

Cat.No.: H-001

Product: **HARMALINE**
(3,4-Dihydroharmin)

CAS Number: [304-21-2]

Lot Number: 1108153

Chemical Formula: C₁₃H₁₄N₂O

Molecular Weight: 214.27

Melting Point: 239-241°C

Appearance: Pale yellow crystalline powder

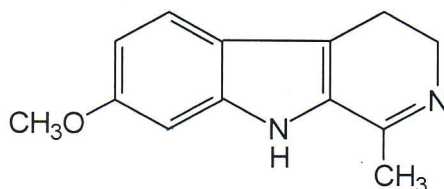
Solubility: Soluble in DMSO

TLC: Chloroform: Methanol (8:2)

Moisture(KF): 0.20%

Storage: 2-8°C

Purity: 99.99%





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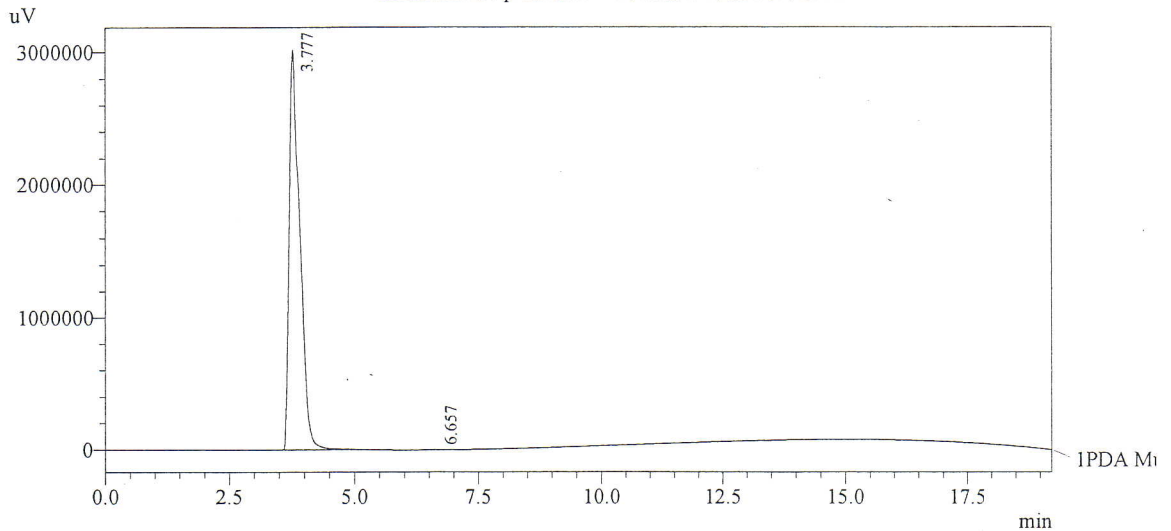
HPLC ANALYSIS

Date Acquired : 10/9/2010 11:19:01 AM
Acquired by : Rama krishna
Sample Name : Harmaline
Sample ID :
Injection Volume : 20 uL
Data Filename : 091010C.lcd
Method Filename : Linear Isocratic.M.lcm

Cat. No.: H-001
Product name: Harmaline
Lot No.: 1108153

Description:
Column : Inertsil C-18, 250X4.6mm 5.0µm
Flow : 0.500ML/min.
Mobile Phase : A(20% of 0.05% of TFA) : B(80% ACN)

Chromatogram
Harmaline D:\promonence\2010\Oct-10\091010C.lcd



I PDA Multi 1 / 360nm 4nm

PeakTable

PDA Ch1 360nm 4nm

Peak#	Ret. Time	Area	Height	Area %
1	3.777	44567811	3016424	99.998
2	6.657	1114	93	0.002
Total		44568924	3016516	100.000