



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: 19-033

Product Name: **3-CYANO-7-ETHOXYCOUMARIN**

CAS Number: [117620-77-6]

Lot Number: 1306334

Chemical Formula: C₁₂H₉NO₃

Molecular Weight: 215.21

Melting Point: 211-213°C

Appearance: Pale yellow powder

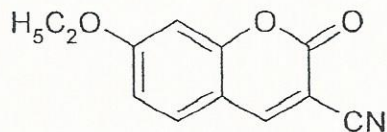
Solubility: Soluble in Chloroform

TLC: Hexane : Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 98.29%





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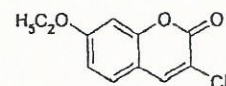
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HPLC ANALYSIS

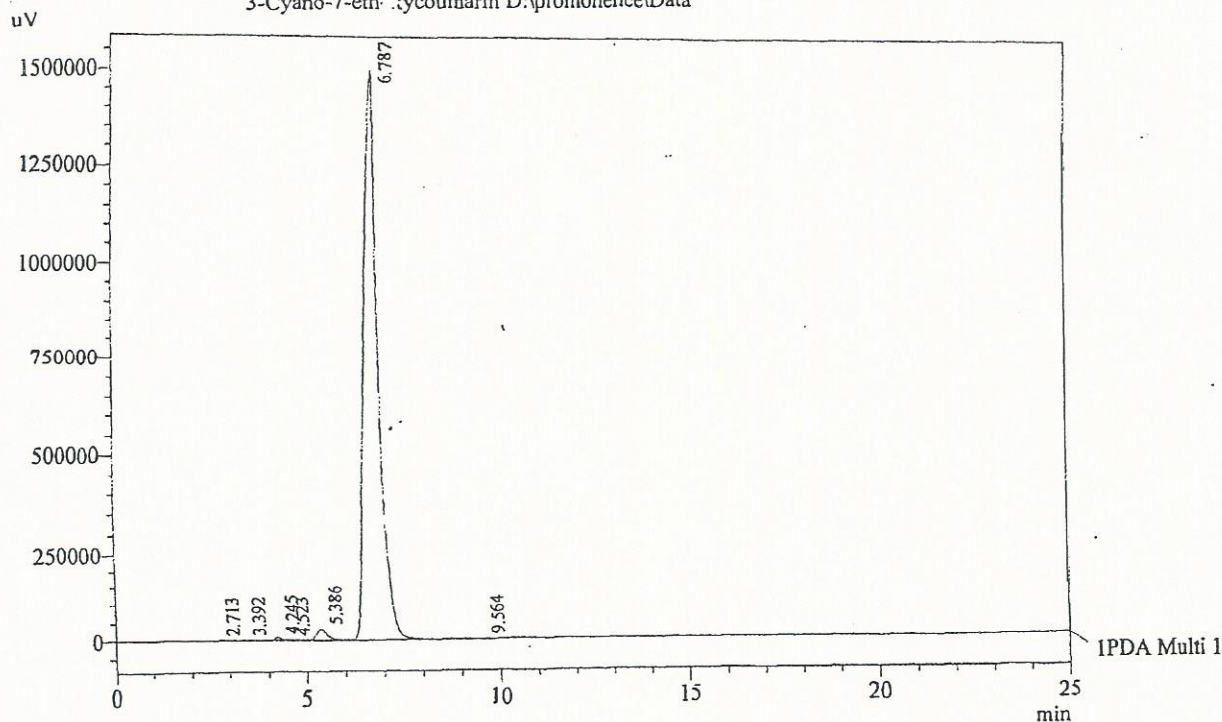
Acquired by : Sanjeev
Sample Name : 3-Cyano-7-ethoxycoumarin
Sample ID : Lot No:1306334
Injection Volume : 20 uL
Data Filename : 190613G.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 19-033
Product Name: 3-Cyano-7-ethoxycoumarin
Lot No.: 1306334



Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)
Flow : 1.000 mL/min.
Mobile Phase : A(40% of water) B(60% of Acetonitrile)
Diluent : Acetonitrile

Chromatogram
3-Cyano-7-ethoxycoumarin D:\promonence\data



1 IPDA Multi 1 / 230nm 4nm

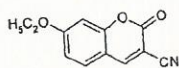
PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.713	2.713	4568	0.01	0.40
2	RT:3.392	3.392	11136	0.03	0.50
3	RT:4.245	4.245	71117	0.19	0.63
4	RT:4.523	4.523	5863	0.02	0.67
5	RT:5.386	5.386	546246	1.43	0.79
6	3-Cyano-7-ethoxycoumarin	6.787	37525444	98.29	1.00
7	RT:9.564	9.564	12564	0.03	1.41
Total			38176939	100.00	



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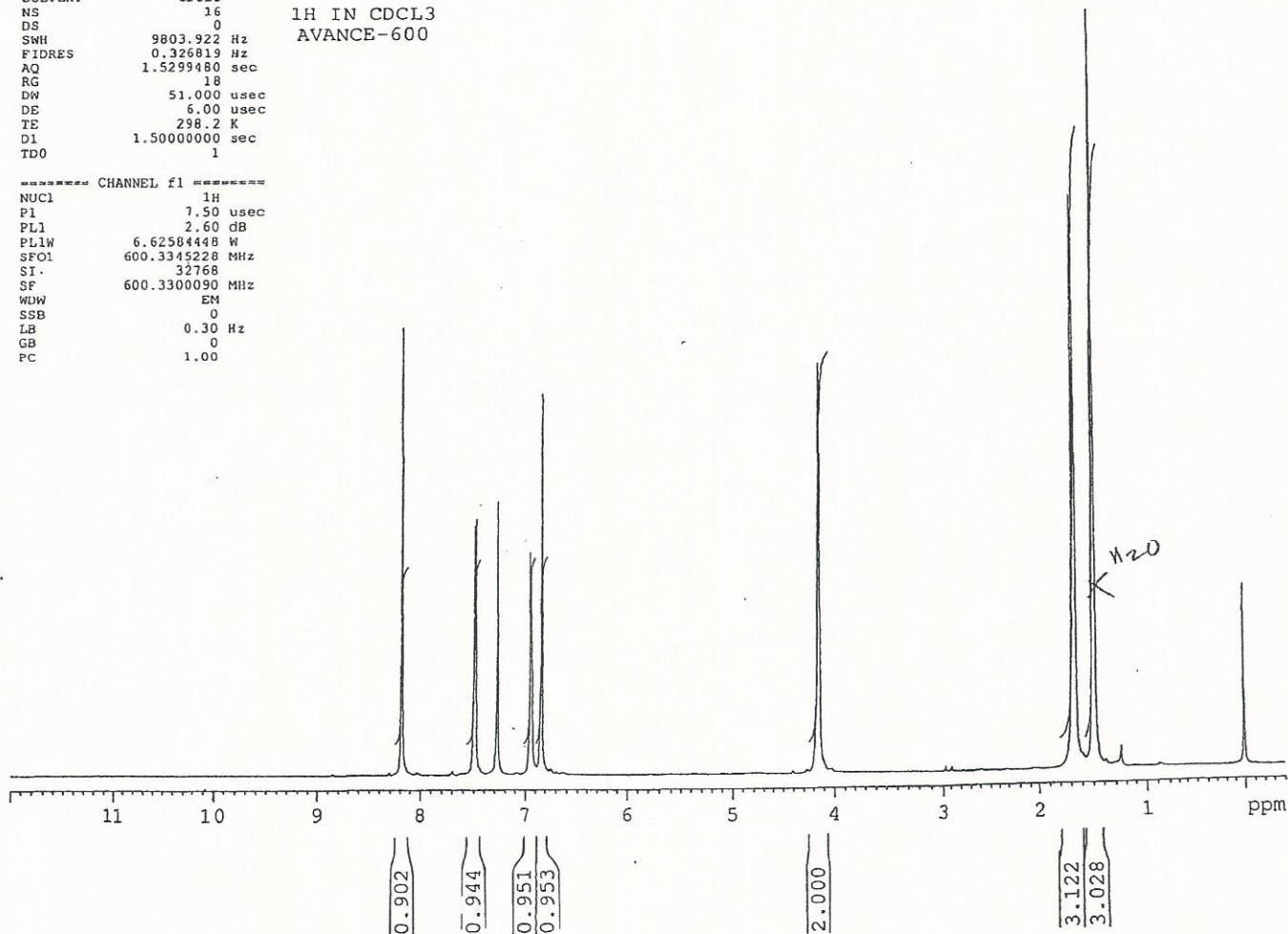


Catalog No.: 19-033
Product Name: 3-Cyano-7-ethoxycoumarin
Lot No.: 1306334

SOLVENT CDC13
NS 16
DS 0
SWH 9803.922 Hz
FIDRES 0.326819 Hz
AQ 1.5299480 sec
RG 18
DW 51.000 usec
DE 5.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

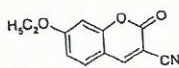
1H IN CDCL3
AVANCE-600

----- CHANNEL f1 -----
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3345228 MHz
SI 32768
SF 600.3300090 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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