



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: F-004

Product Name: 3-HYDROXYFLAVONE

CAS Number: [577-85-5]

Lot Number: 99240

Chemical Formula: C₁₅H₁₀O₃

Molecular Weight: 238.25

Melting Point: 170-172°C

Appearance: Off white color fluffy powder

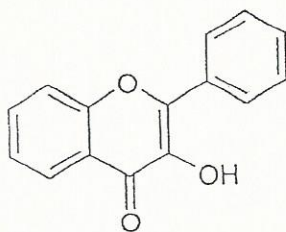
Solubility: Soluble in Chloroform

TLC: Hexane : Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Store in a cool, dry place

Purity (HPLC): 99.88%





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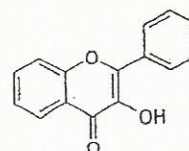
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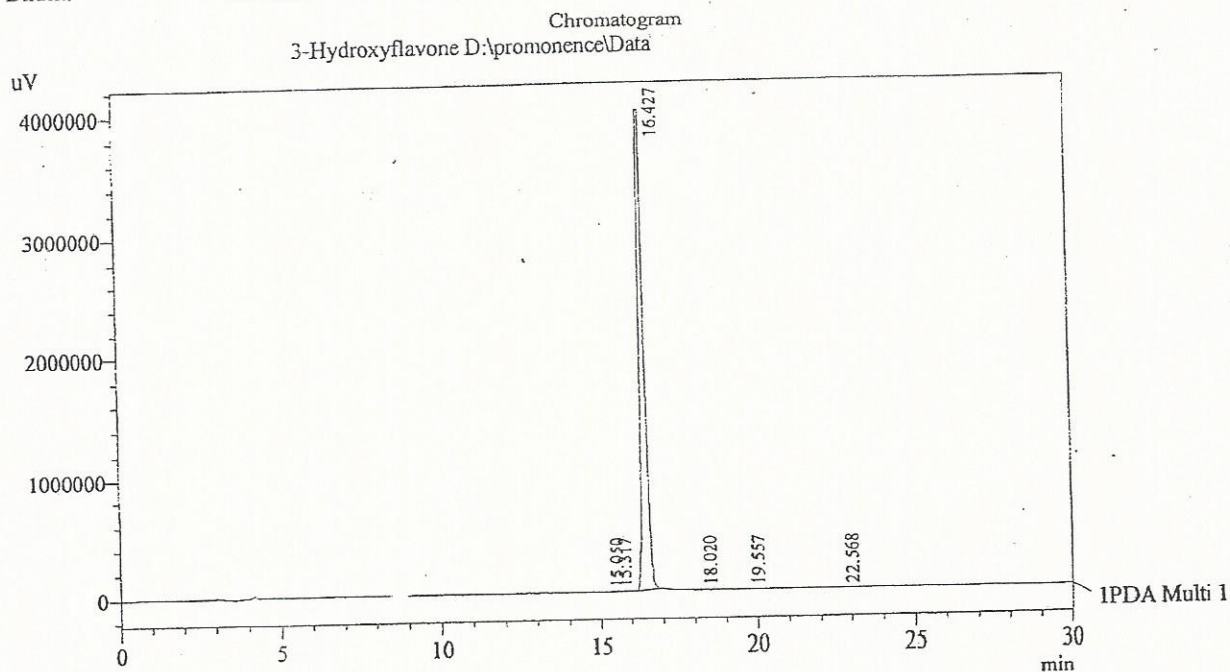
HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 3-Hydroxyflavone
 Sample ID : Lot No:99240
 Injection Volume : 20 uL
 Data Filename : 040613L.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: F-004
 Product name: 3-Hydroxyflavone
 Lot No.: 99240



Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)
 Flow : 1.000 mL/min.
 Mobile Phase : A(0.05% TFA in water) B(Acetonitrile)
 0.01 90 10
 12.0 10 90
 20.0 10 90
 23.0 90 10
 30.0 90 10
 Diluent : Methanol



1 PDA Multi 1 / 240nm 4nm

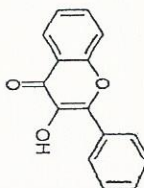
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:15.050	15.050	19149	0.04	0.92
2	RT:15.317	15.317	4317	0.01	0.93
3	3-Hydroxyflavone	16.427	43484856	99.88	1.00
4	RT:18.020	18.020	7774	0.02	1.10
5	RT:19.557	19.557	6047	0.01	1.19
6	RT:22.568	22.568	12955	0.03	1.37
Total			43535098	100.00	



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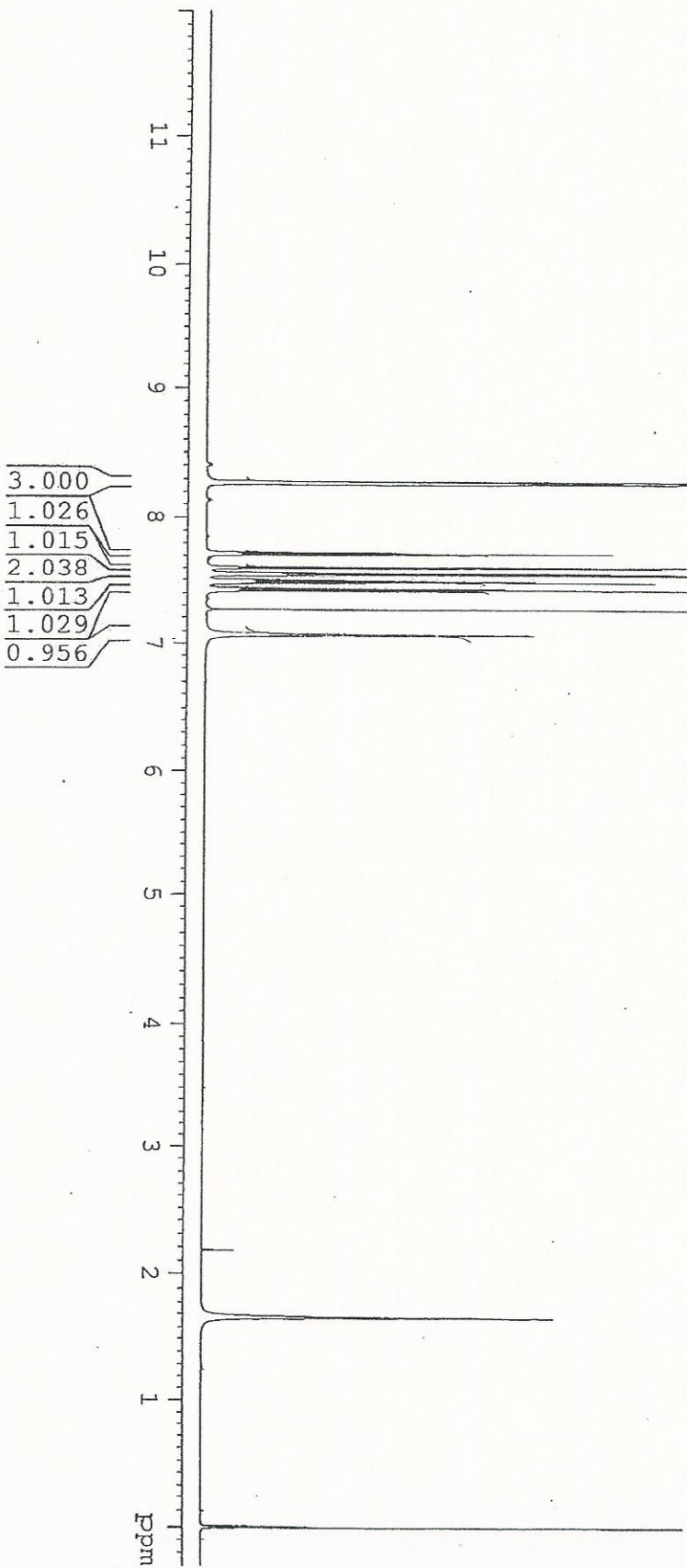
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Product name: 3-Hydroxyflavone
Lot No.: 99240

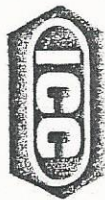


1H IN CDCL3
AVANCE-600

SOLVENT CDCL3
NS 16
DS 0
SMH 9803.922 Hz
FIDRES 0.326819 Hz
AQ 1.5299480 sec
RG 22.6
DM 51.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

***** CHANNEL f1 *****
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3345228 MHz
SI 32768
SF 600.3300141 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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 P11 2.60 dB
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 SF01 600.3345228 MHz
 SI 32768
 SF 600.3300141 MHz
 WDM EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

