



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 D-256

Product Name: **3,6-DIHYDROXYFLAVONE**

CAS Number: [108238-41-1]

Lot Number: 93008

Chemical Formula: C₁₅H₁₀O₄

Molecular Weight: 254.24

Melting Point: 236-239°C

Appearance: Off white fluffy powder

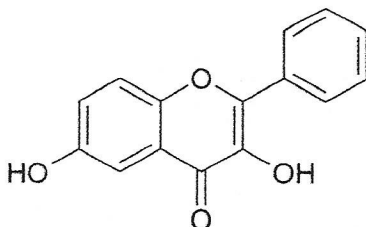
Solubility: Soluble in DMSO

TLC: Hexane:Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity(HPLC): 99.74%





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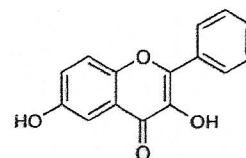
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HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 3,6-Dihydroxyflavone
Sample ID : Lot No :93008
Injection Volume : 20 uL
Data Filename : 100813D.lcd
Method Filename : Linear Gradient.M.lcm

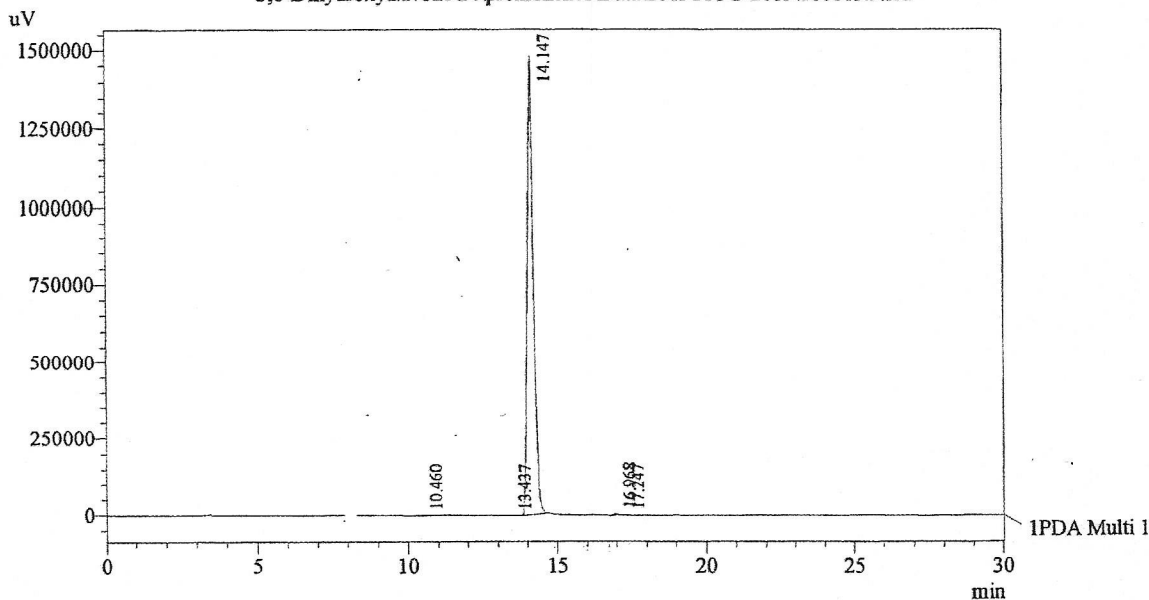
Catalog No.: D-256
Product Name: 3,6-Dihydroxyflavone
Lot No.: 93008



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 : Mobile phase-A:Mobile phase-B(50:50)

Chromatogram
3,6-Dihydroxyflavone D:\promonence\Data\2013\AUG-2013\100813D.lcd

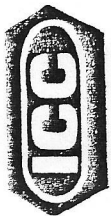


1 PDA Multi 1 / 254nm 4nm

PeakTable

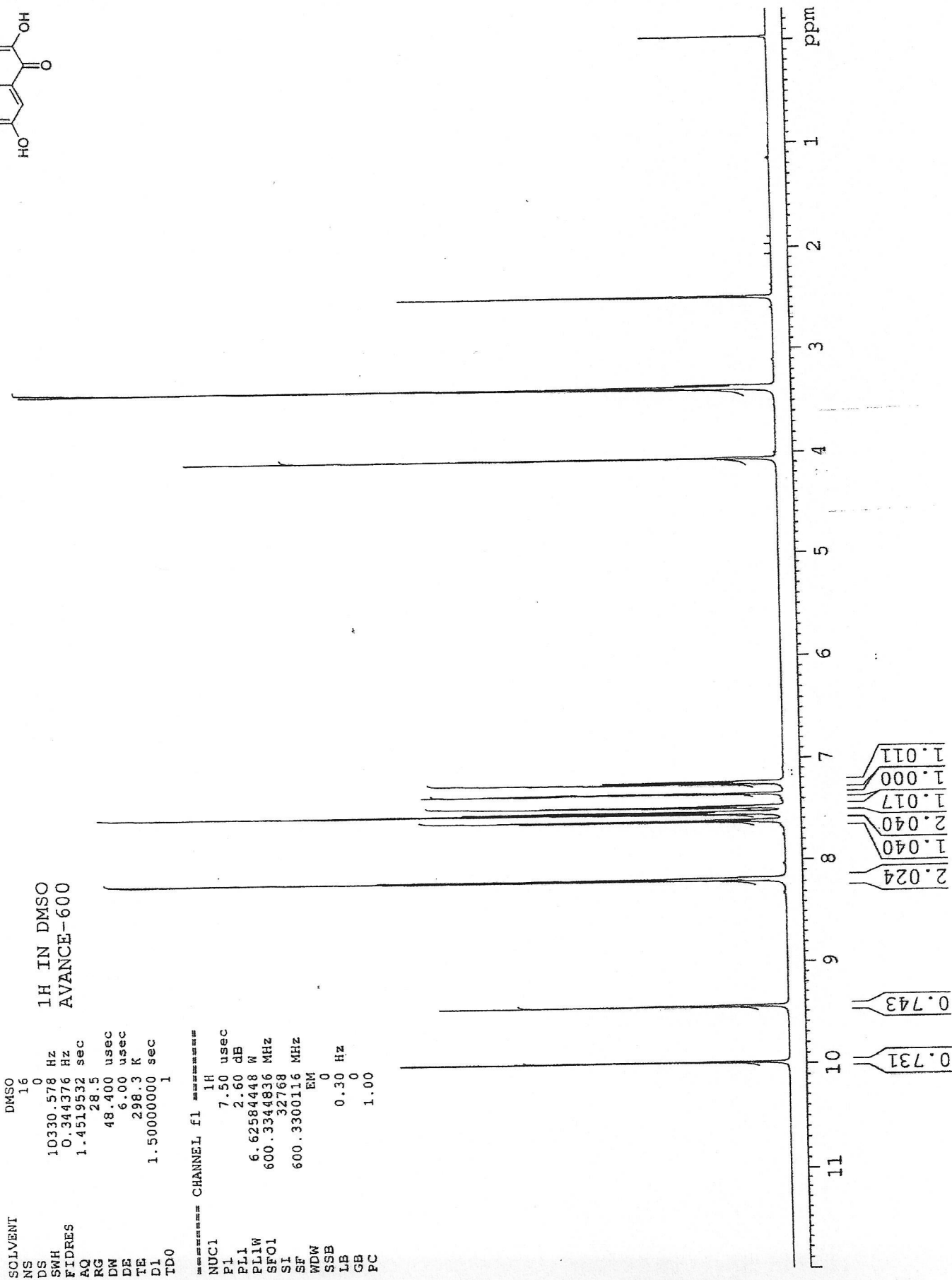
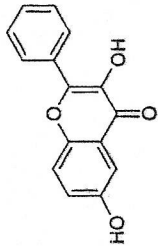
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:10.460	10.460	5009	0.02	0.74
2	RT:13.437	13.437	1624	0.01	0.95
3	3,6-Dihydroxyflavone	14.147	20544881	99.74	1.00
4	RT:16.968	16.968	43646	0.21	1.20
5	RT:17.247	17.247	3615	0.02	1.22
Total			20598776	100.00	



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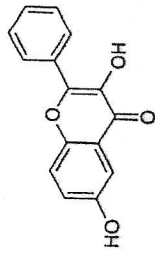
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SOLVENT DMSO 16
NS 0
DS 10330.578 Hz
SWH 0.344376 Hz
FIDRES 1.4519532 sec
AQ 28.5
RG 48.400 usec
DW 6.00 usec
DE 298.3 K
TE 1.50000000 sec
D1 1
TD0 1

==== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SF01 600.3344836 MHz
SI 32768
SF 600.3300116 MHz
EM 0
SSB 0.30 Hz
LB 0
GB 1.00
PC

1H IN DMSO
AVANCE-600

