



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-250

Product Name: **6,4'-DIHYDROXYFLAVONE**

CAS Number: [63046-09-3]

Lot Number: 0112307

Chemical Formula: C₁₅H₁₀O₄

Molecular Weight: 254.25

Melting Point: Above 290°C

Appearance: Cream Powder

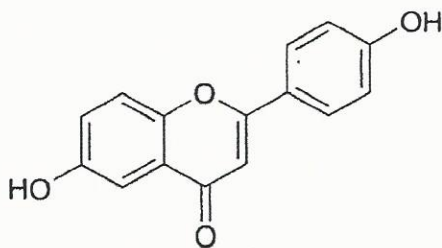
Solubility: Soluble in DMSO

TLC Chloroform : Methanol (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.77%





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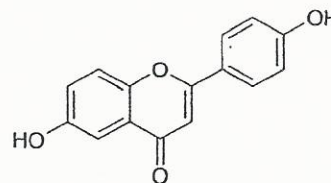
HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 6,4'-Dihydroxyflavone
 Sample ID : Lot No:- 0112307
 Injection Volume : 20 uL
 Data Filename : 020413K.lcd
 Method Filename : Linear Gradient.M.lcm

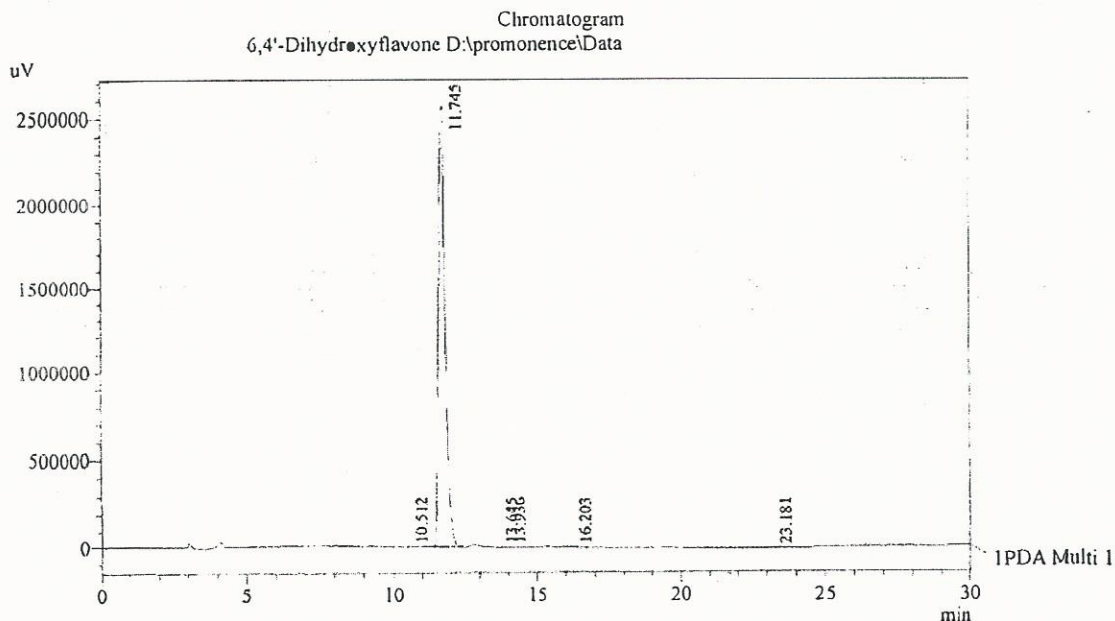
Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)
 Flow : 1.000 mL/min,
 Mobile Phase : A(0.05% TFA in water) B(Acetonitrile)

0.01	90	10
12.0	10	90
20.0	10	90
23.0	90	10
30.0	90	10

Diluent : Methanol



Catalog No.: D-250
 Product name: 6,4'-Dihydroxyflavone
 Lot No.: 0112307



1 PDA Multi 1 / 230nm 4nm

PeakTable

PDA Ch1 230nm 4nm

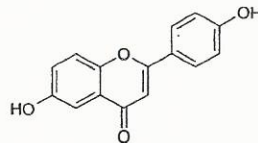
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:10.512	10.512	13775	0.03	0.90
2	6,4'-Dihydroxyflavone	11.745	41656020	99.77	1.00
3	RT:13.645	13.645	11610	0.03	1.16
4	RT:13.936	13.936	24143	0.06	1.19
5	RT:16.203	16.203	23654	0.06	1.38
6	RT:23.181	23.181	22339	0.05	1.97
Total			41751541	100.00	



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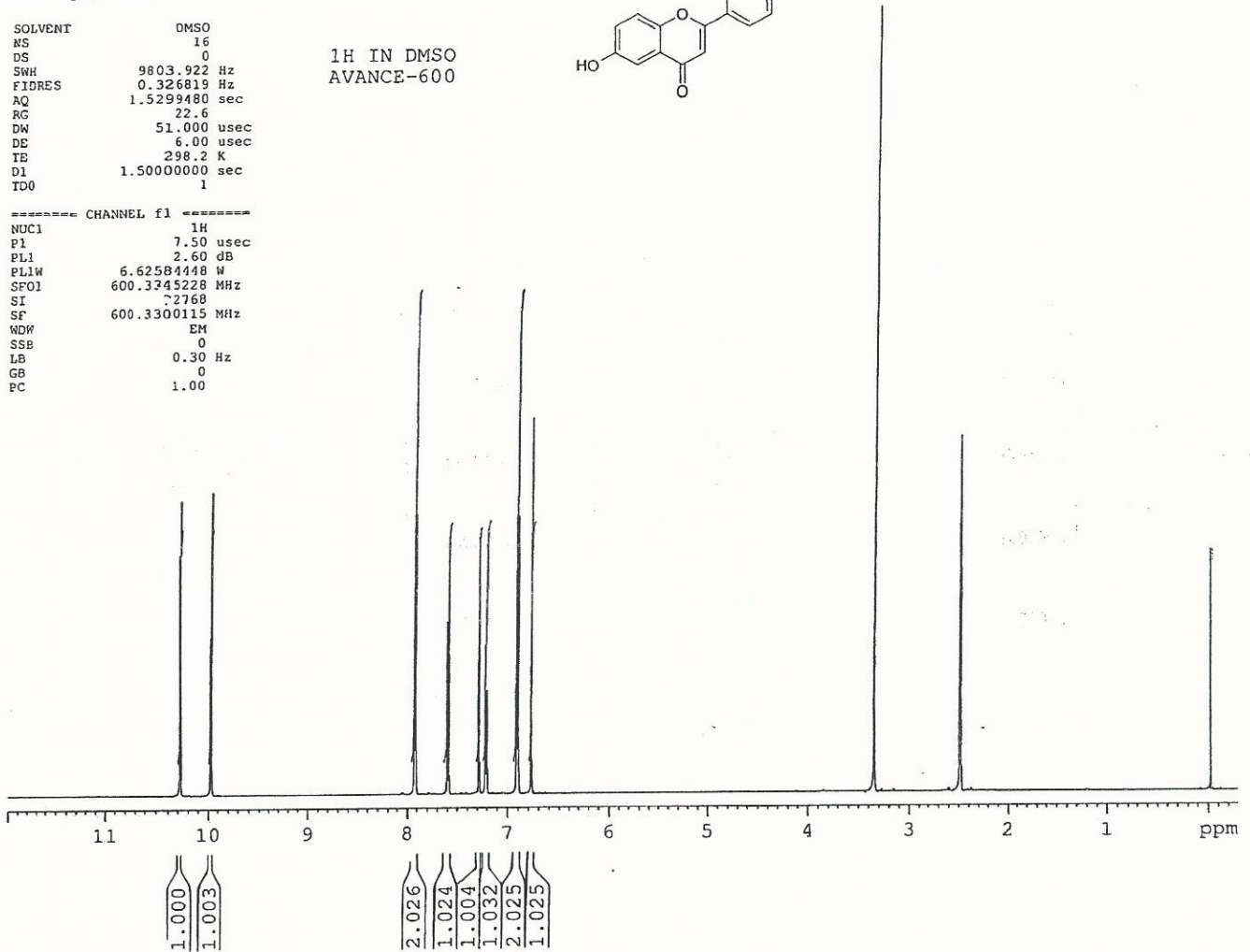
Catalog No.: D-250
Product name: 6,4'-Dihydroxyflavone
Lot No.: 0112307



1H IN DMSO
AVANCE-600

SOLVENT DMSO
NS 16
DS 0
SWH 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 1.5000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SF01 600.3245228 MHz
SI 72768
SF 600.3300115 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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FIDRES 0.326819 Hz
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RG 22.6
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DE 6.00 usec
TE 298.2 K
DL 1.50000000 sec
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----- CHANNEL f1 -----
NUC1 1H
F1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 K
SFO1 600.3345228 MHz
SI 32768
SF 600.3300115 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1H IN DMSO
AVANCE-600

