



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

Product Name: D-411

Product Name: 7,3'-DIHYDROXYFLAVONE

CAS Number: [108238-40-0]

Lot Number: 89013

Chemical Formula: C₁₅H₁₀O₄

Molecular Weight: 254.24

Melting Point: 285-287°C

Appearance: White powder

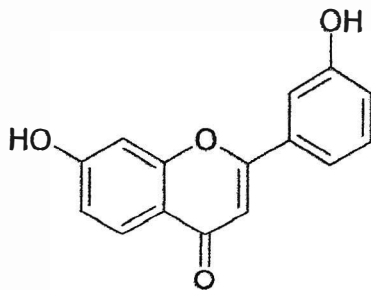
Solubility: Soluble in DMSO

TLC: Chloroform : Methanol (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity: 99.55% (HPLC)





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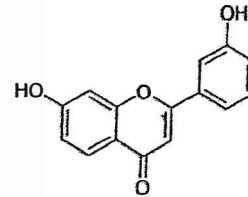
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HPLC ANALYSIS

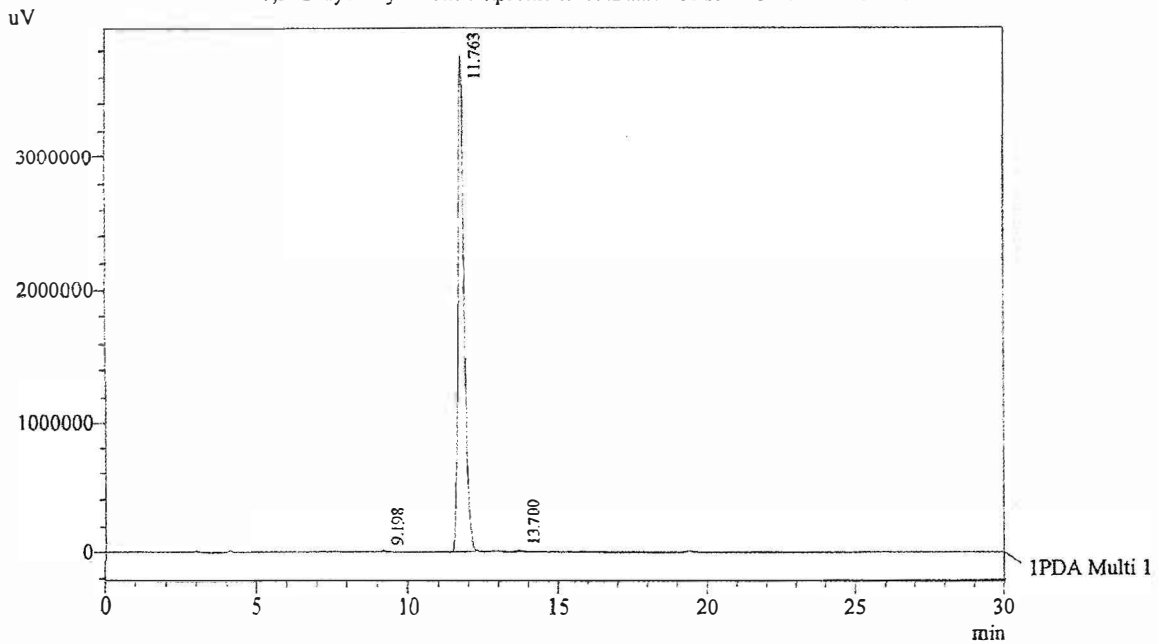
Acquired by : Sanjeev
Sample Name : 7,3'-Dihydroxyflavone
Sample ID : Lot No:- 89013
Injection Volume : 20 uL
Data Filename : 020413J.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: D-411
Product name: 7,3'-Dihydroxyflavone
Lot No.: 89013



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

Chromatogram
7,3'-Dihydroxyflavone D:\promonence\Data\2013\APR-2013\020413J.lcd



1 PDA Multi 1 / 240nm 4nm

Peak Table

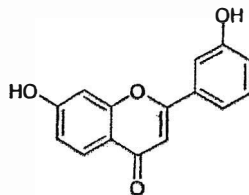
PDA Ch1 240nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:9.198	9.198	111311	0.21	0.78
2	7,3'-Dihydroxyflavone	11.763	52521633	99.55	1.00
3	RT:13.700	13.700	126282	0.24	1.16
Total			52759226	100.00	



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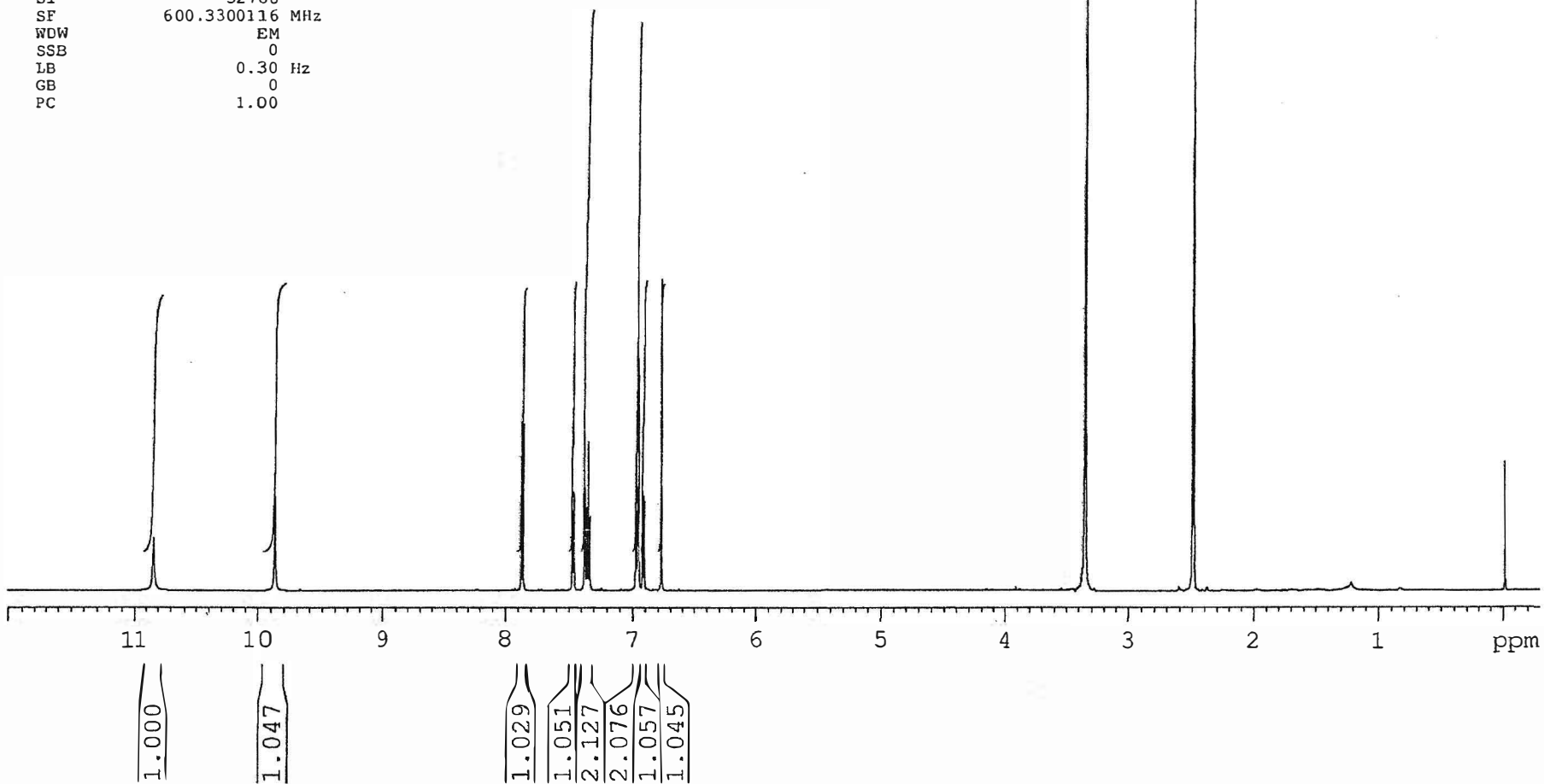
Catalog No.: D-411
Product name: 7,3'-Dihydroxyflavone
Lot No.: 89013



SOLVENT DMSO
NS 16
DS 0
SWH 9803.922 Hz
FIDRES 0.326819 Hz
AQ 1.5299480 sec
RG 22.6
DW 51.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.500000 sec
TD0 1

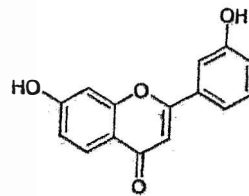
1H IN DMSO
AVANCE-600

==== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3345228 MHz
SI 32768
SF 600.3300116 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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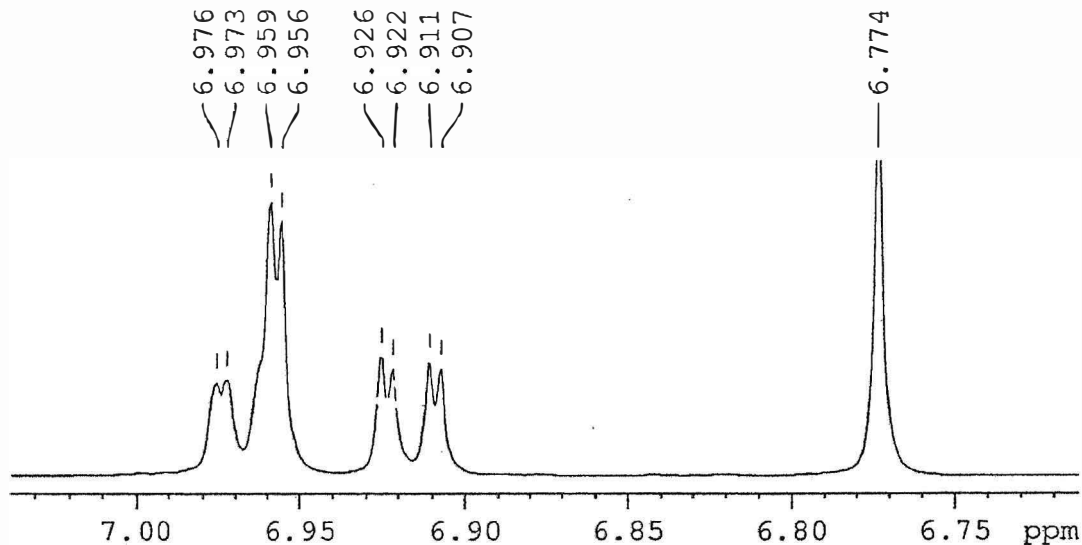


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SOLVENT DMSO
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 DS 0
 SWH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
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 DE 6.00 usec
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 D1 1.50000000 sec
 ID0 1

1H IN DMSO
 AVANCE-600

==== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62384448 W
 SF01 600.515228 MHz
 SI 32768
 SF 600.3300116 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



7.879
 7.864

7.473
 7.460

7.378
 7.375
 7.372
 7.359
 7.345
 7.332

