



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: 22-341

Product Name: **7,3',4',5'-TETRAHYDROXYFLAVONE**

Lot Number: 0204080

Chemical Formula: C₁₅H₁₀O₆

Molecular Weight: 286.25

Melting Point: Above 290°C

Appearance: Dark cream color shining powder

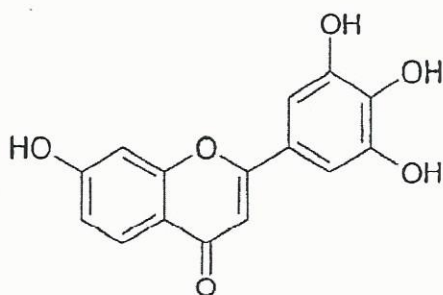
Solubility: Soluble in DMSO

TLC: Chloroform : Methanol (8:2)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 97.20%





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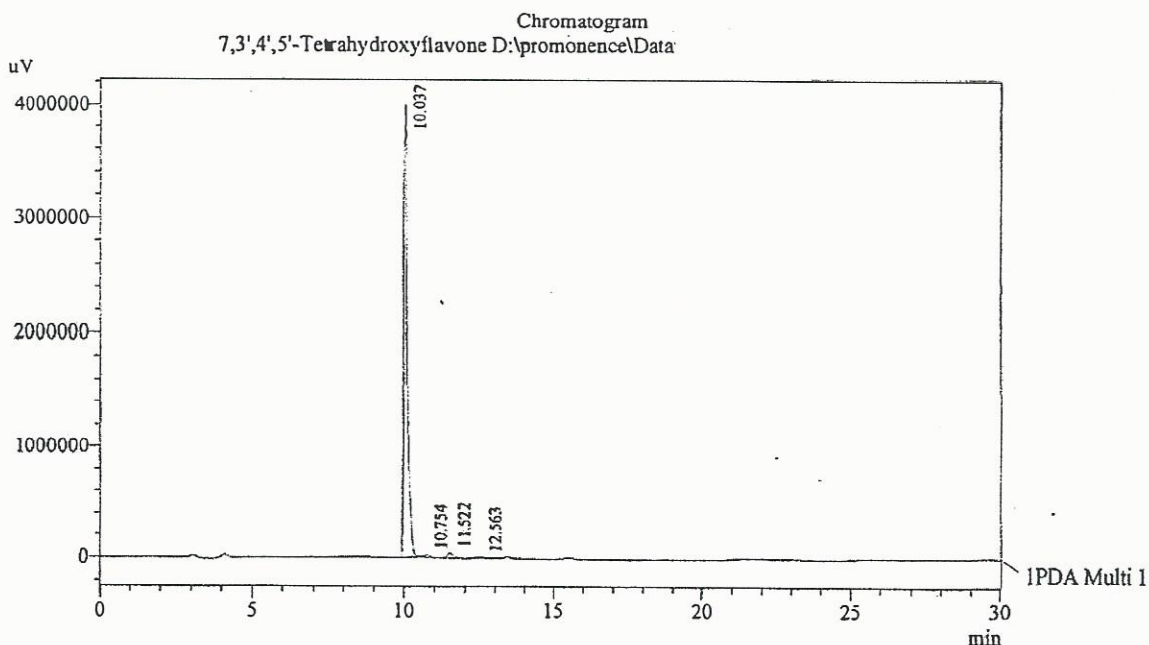
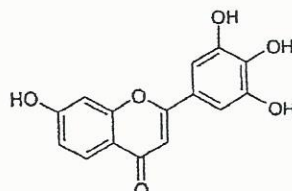
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HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 7,3',4',5'-Tetrahydroxyflavone
Sample ID : Lot No: 0204080
Injection Volume : 20 uL
Data Filename : 160513A.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 22-341
Product Name: 7,3',4',5'-Tetrahydroxyflavone
Lot No.: 0204080

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 / 230nm 4nm

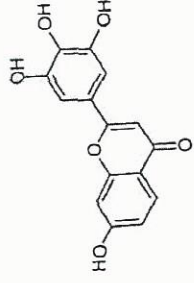
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	7,3',4',5'-Tetrahydroxyflavone	10.037	34565161	97.20	1.00
2	RT:10.754	10.754	229119	0.64	1.07
3	RT:11.522	11.522	595222	1.67	1.15
4	RT:12.563	12.563	170843	0.48	1.25
Total			35560344	100.00	

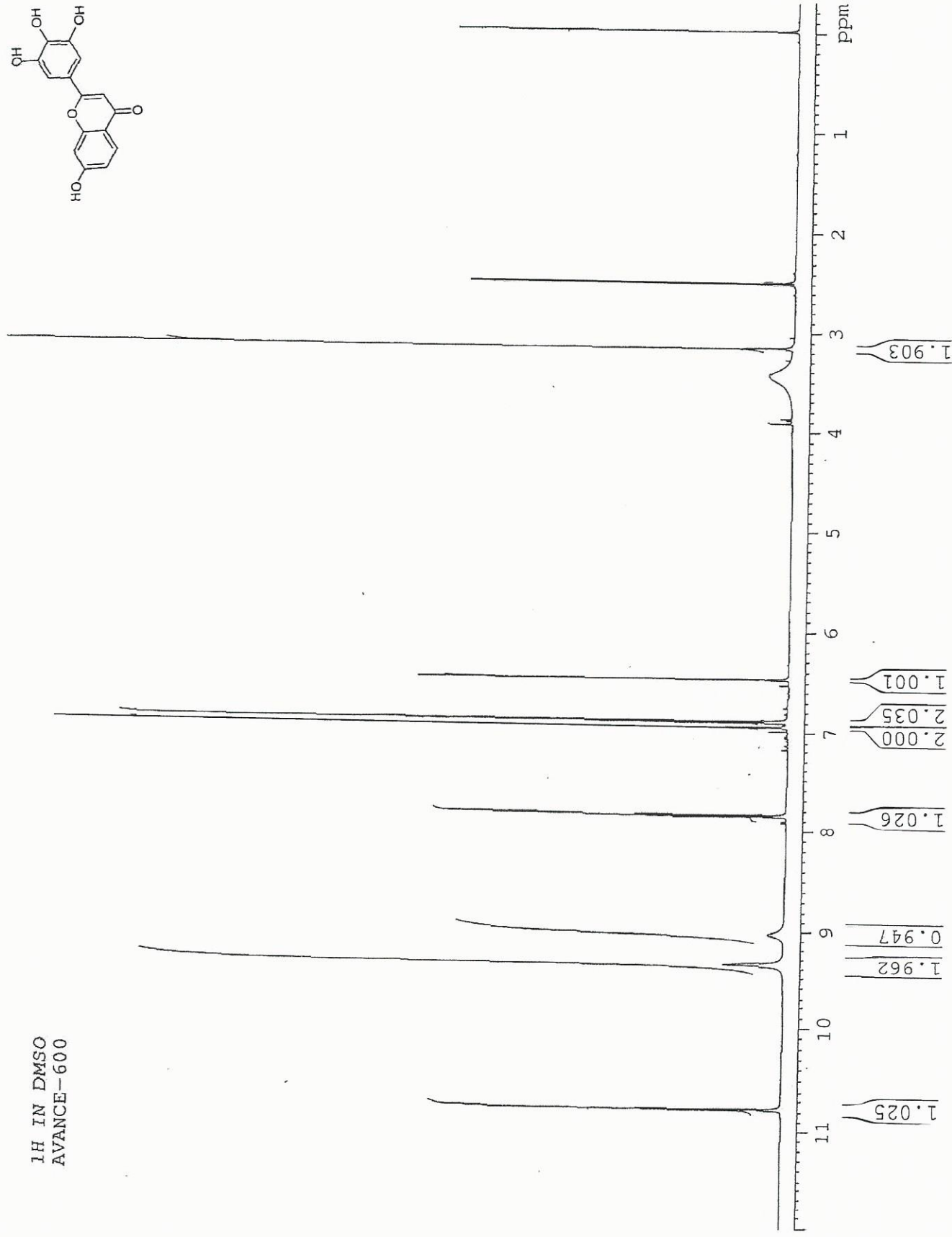


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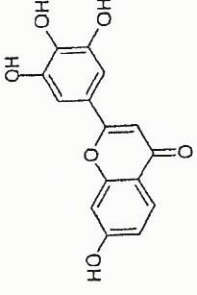
¹H IN DMSO
AVANCE-600





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SOLVENT DMSO
 NS 16
 DS 0
 SWH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
 RG 40.3
 DW 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TDO 1

1H IN DMSO
 AVANCE-600

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3345228 MHz
 SI 32768
 SF 600.3300109 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

