



# 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](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

Cat No.: D-258

Product: **3',4'-DIHYDROXYFLAVONE**  
(4-Hydroxyflavonol)

Cas Number: [4143-64-0]

Lot Number: 96039

Chemical Formula: C<sub>15</sub>H<sub>10</sub>O<sub>4</sub>

Molecular Weight: 254.25

Melting Point: 246-249°C

Appearance: Cream colored powder

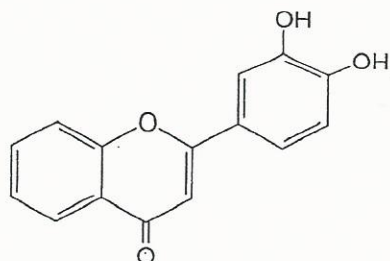
Solubility: Soluble in DMSO

TLC: Chloroform:methanol (9:1)

NMR Spectrum: Enclosed

Storage: Cool dry place

Purity(HPLC): 97.66%





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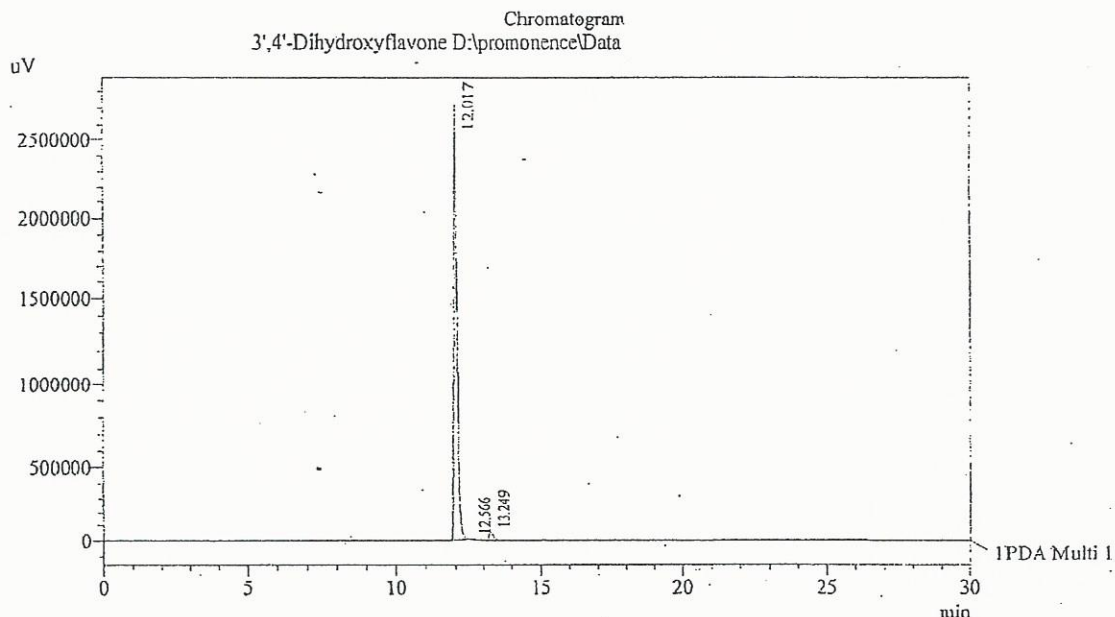
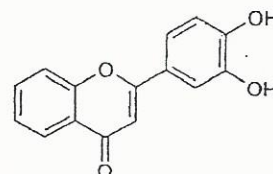
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## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 3',4'-Dihydroxyflavone  
Sample ID : Lot No:-96039  
Injection Volume : 20 uL  
Data Filename : 170812J.lcd  
Method Filename : Linear-Gradient.M.lcm

Catalog no.: D-258  
Product name: 3',4'-Dihydroxyflavone  
Lot No.: 96039

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  
25.0 90 10  
30.0 90 10



1 PDA Multi 1 / 254nm 4nm

PeakTable

| RT                       | Area   | Height   | Area%  | Height% |
|--------------------------|--------|----------|--------|---------|
| 1 3',4'-Dihydroxyflavone | 12.017 | 21461458 | 97.66  | 1.00    |
| 2 RT:12.566              | 12.566 | 16911    | 0.08   | 1.05    |
| 3 RT:13.249              | 13.249 | 498433   | 2.27   | 1.10    |
| Total                    |        | 21976802 | 100.00 |         |



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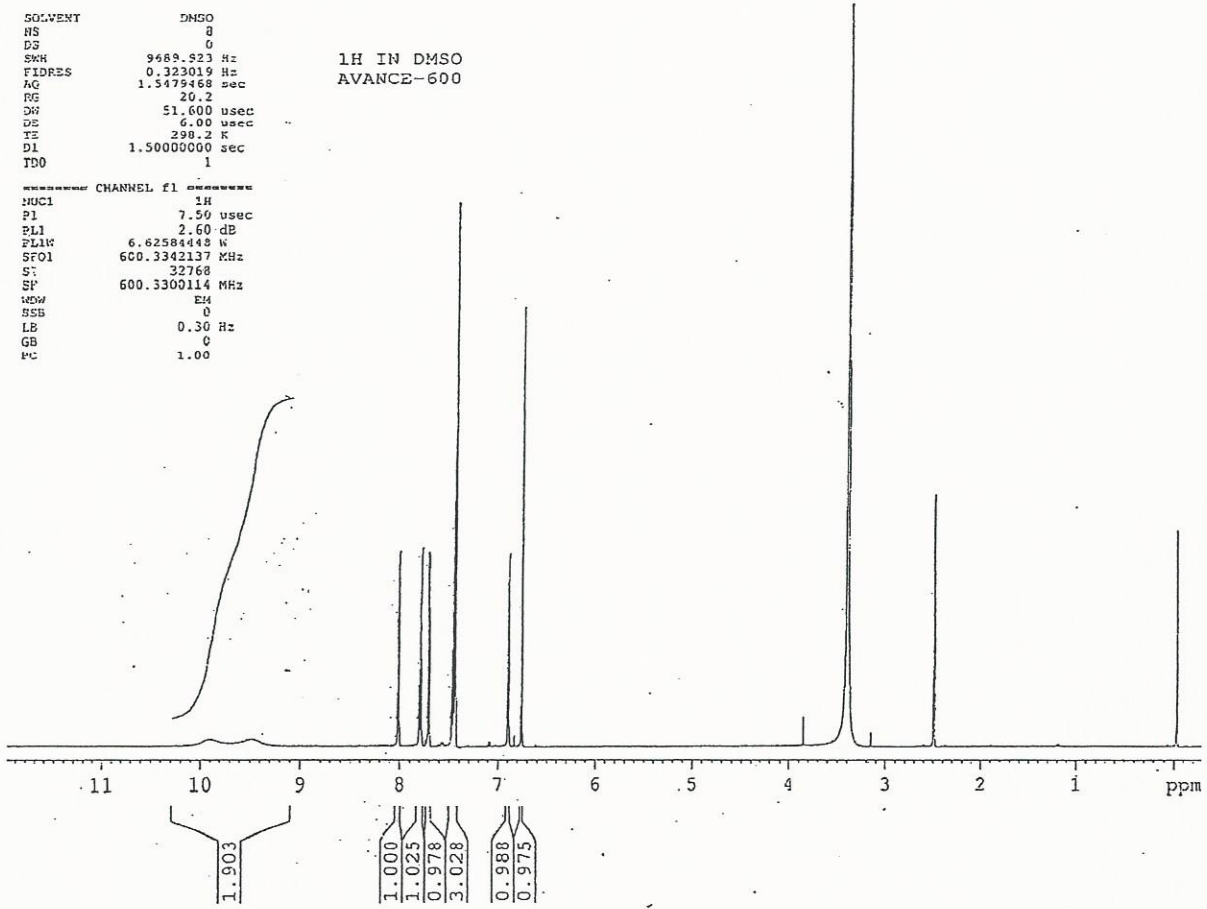
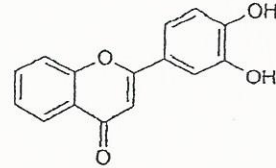
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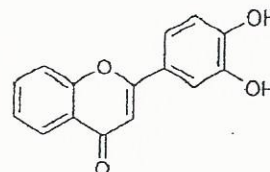
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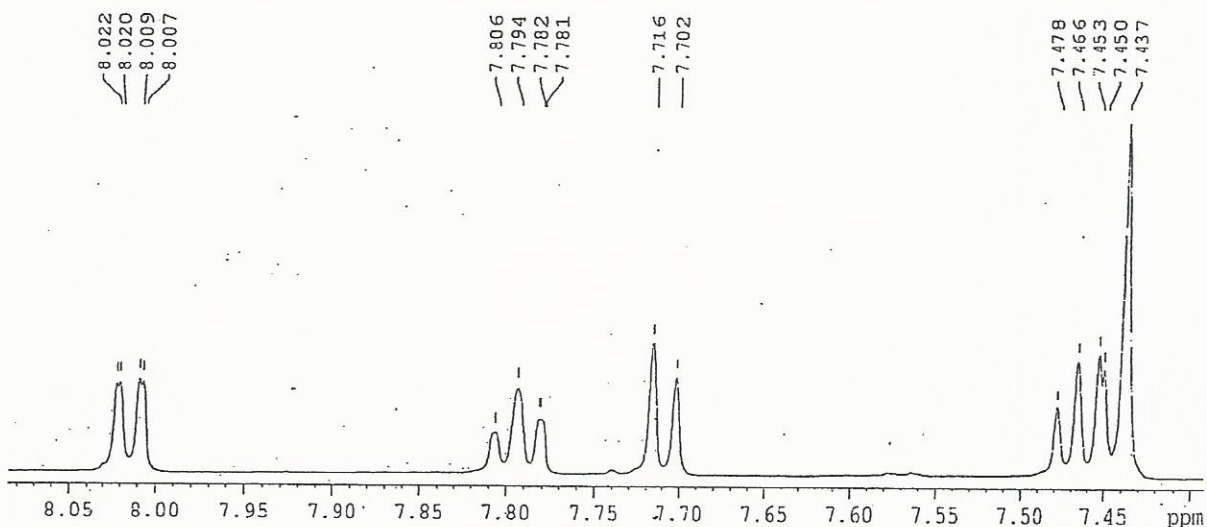
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Product name: 3',4'-Dihydroxyflavone  
Lot No.: 96039



SOLVENT DMSO  
NS 0  
DS 0  
SKH 9689.923 Hz  
FIDRES 0.323019 Hz  
AQ 1.5479468 sec  
RG 20.2  
DX 51.600 usec  
DE 6.00 usec  
TE 298.2 K  
DI 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  
SFC1 600.3342137 MHz  
SI 32768  
SF 600.3300114 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB C  
PC 1.00





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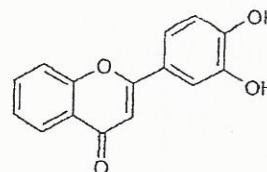
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WDW EM  
SSB C  
LB 0.30 Hz  
GB 0  
PC 1.00

