



# 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

Catalog Number: D-111

Product Name: **3,7-DIHYDROXY-3',4'-DIMETHOXYFLAVONE**  
(Fisetin-3',4'-dimethyl ether)

CAS Number: [93322-61-3]

Lot Number: 0104040

Chemical Formula: C<sub>17</sub>H<sub>14</sub>O<sub>6</sub>

Molecular Weight: 314.29

Melting Point: 228-231°C

Appearance: Cream powder

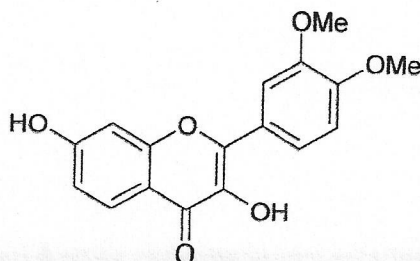
Solubility: Soluble in DMSO

TLC: Chloroform: Methanol (9:1)

NMR Spectrum: Enclosed (Conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 97.04%





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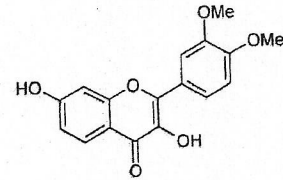
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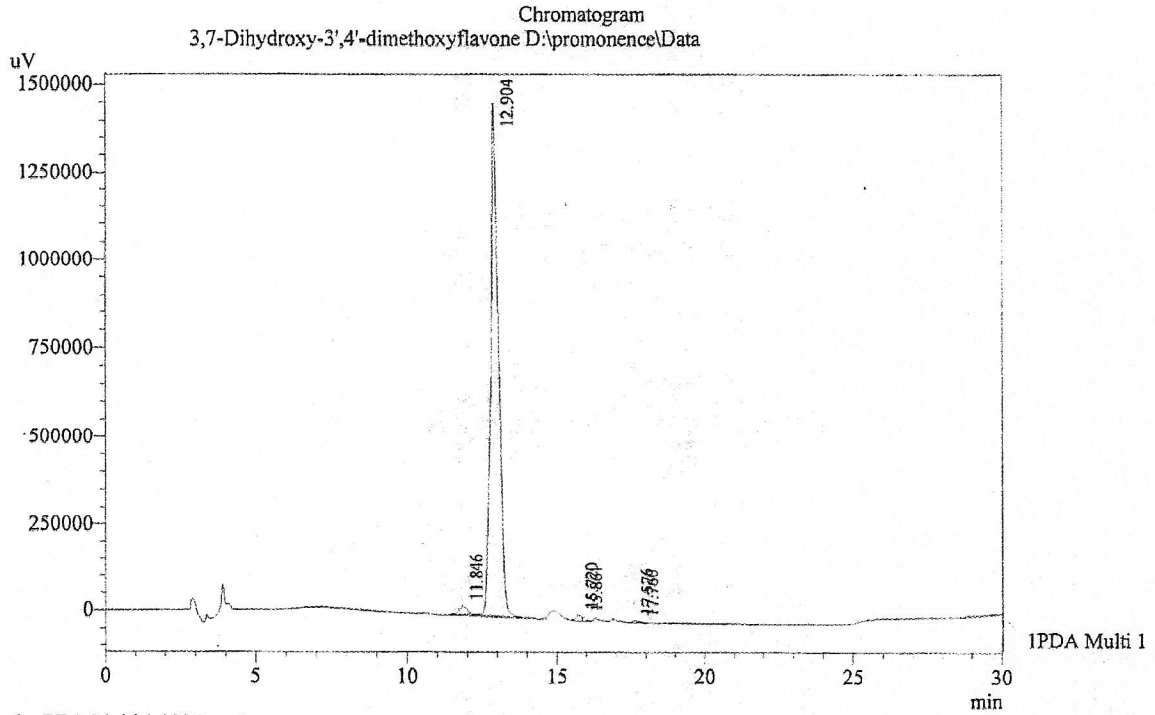
## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 3,7-Dihydroxy-3',4'-dimethoxyflavone  
Sample ID : Lot No: 0104040  
Injection Volume : 20 uL  
Data Filename : 100314A.lcd  
Method Filename : Linear Gradient.M.lcm

Catalog No.: D-111  
Product Name: 3,7-Dihydroxy-3',4'-dimethoxyflavone  
Lot No.: 0104040



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 / 225nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.846	11.846	459558	1.70	0.92
2	RT:12.904	12.904	26274108	97.04	1.00
3	RT:15.720	15.720	170500	0.63	1.22
4	RT:15.861	15.861	68512	0.25	1.23
5	RT:17.576	17.576	75741	0.28	1.36
6	RT:17.760	17.760	26463	0.10	1.38
Total			27074880	100.00	



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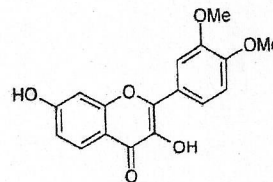
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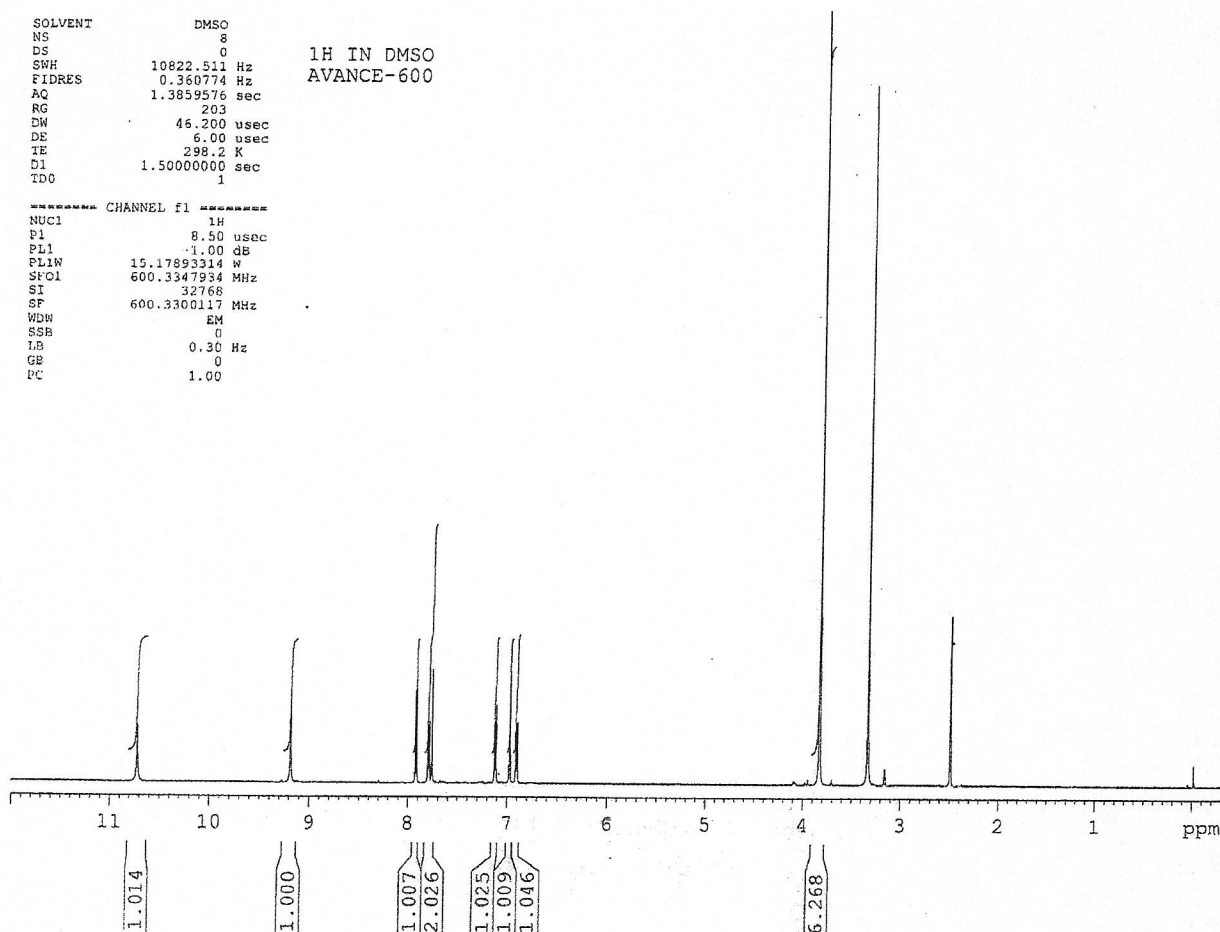
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Product Name: 3,7-Dihydroxy-3',4'-dimethoxyflavone  
Lot No.: 0104040



SOLVENT DMSO  
NS 8  
DS 0  
SWH 10822.511 Hz  
FIDRES 0.360774 Hz  
AQ 1.3859576 sec  
RG 203  
DM 46.200 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.5000000 sec  
TD0 1

1H IN DMSO  
AVANCE-600

----- CHANNEL f1 -----  
NUC1 1H  
P1 8.50 usec  
PL1 -1.00 dB  
PL1W 15.17893314 W  
SFO1 600.3347934 MHz  
SI 32768  
SF 600.3300117 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00





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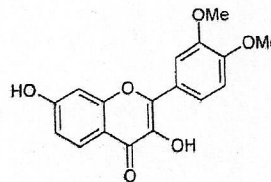
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