



# 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: 22-344

Product Name: **3,6,3',4'-TETRAHYDROXYFLAVONE**

Lot Number: 0204090

Chemical Formula: C<sub>15</sub>H<sub>10</sub>O<sub>6</sub>

Molecular Weight: 286.25

Appearance: Yellow powder

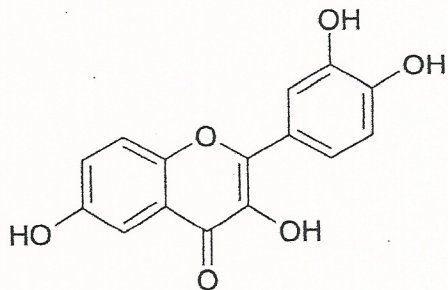
Solubility: Soluble in DMSO

TLC: Chloroform:methanol (9:1)

NMR Spectrum: Enclosed

Storage: Cool dry place

Purity(HPLC): 99.35%





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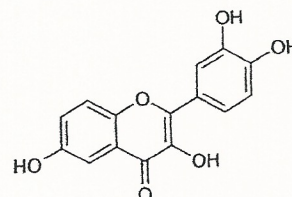
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 3,6,3',4'-Tetrahydroxyflavone  
Sample ID : Lot No:- 0204090  
Injection Volume : 20 uL  
Data Filename : 130413C.lcd  
Method Filename : Linear Gradient.M.lcm

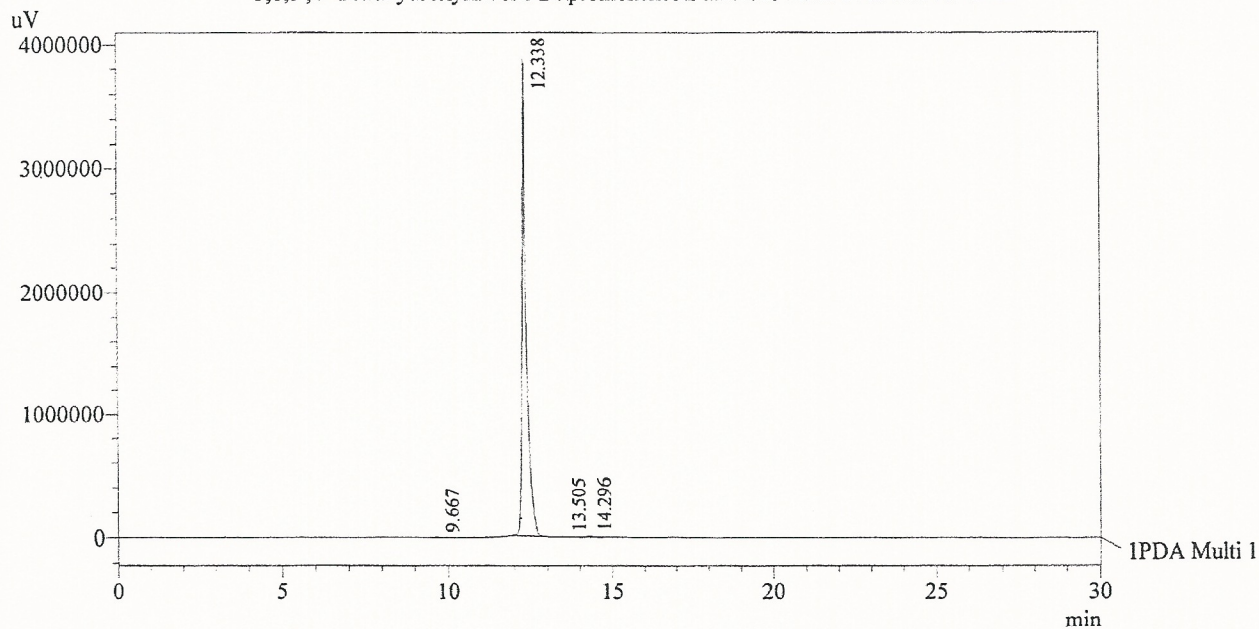
Catalog No.: 22-344  
Product name: 3,6,3',4'-Tetrahydroxyflavone  
Lot No.: 0204090

Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)  
Flow : 1.000 mL/min.  
Mobile Phase : A(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

3,6,3',4'-Tetrahydroxyflavone D:\promonence\Data\2013\APR-2013\130413C.lcd



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

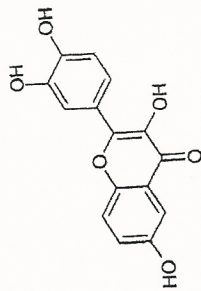
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:9.667	9.667	3658	0.01	0.78
2	3,6,3',4'-Tetrahydroxyflavone	12.338	33317641	99.35	1.00
3	RT:13.505	13.505	37905	0.11	1.09
4	RT:14.296	14.296	176484	0.53	1.16
Total			33535687	100.00	





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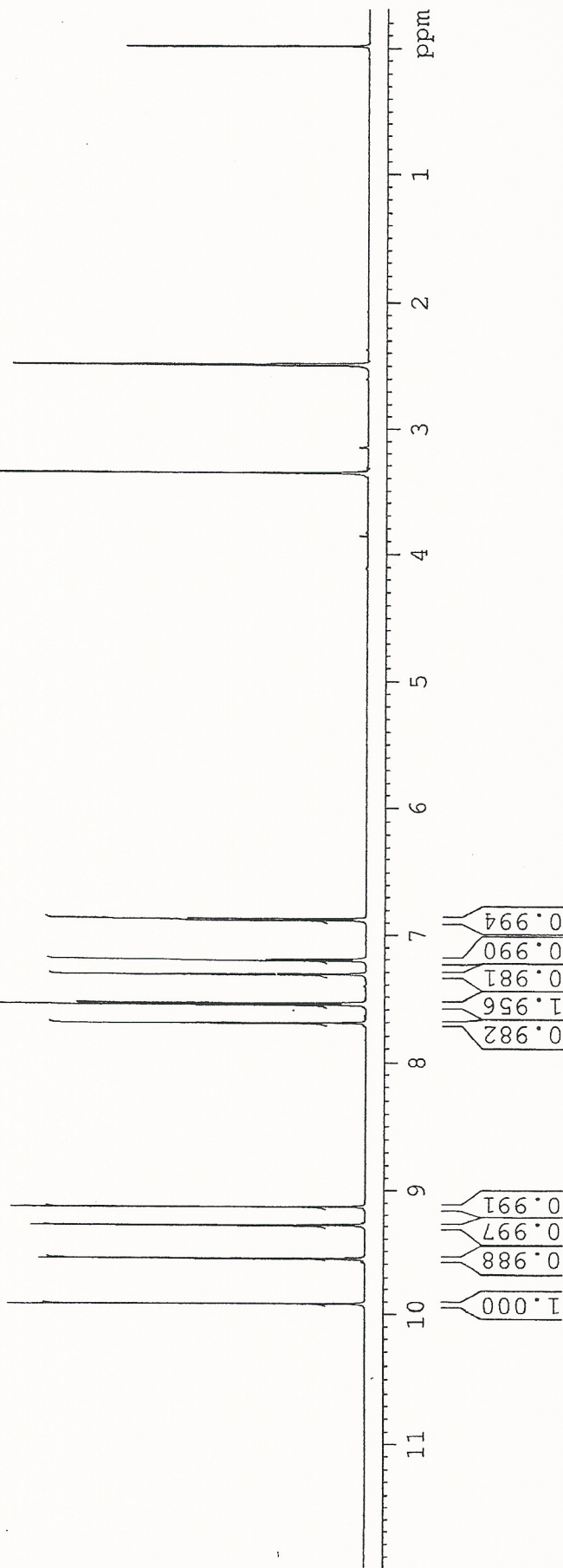
Catalog No.: 22-344  
 Product name: 3,6,3',4'-Tetrahydroxyflavone  
 Lot No.: 0204090



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 1.50000000 sec  
 TD0 1

1H IN DMSO  
 AVANCE-600

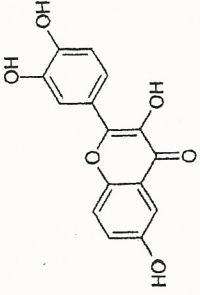
==== CHANNEL f1 =====  
 NUC1 1H  
 P1 7.50 usec  
 PL1 2.60 dB  
 PL1W 6.62584448 W  
 SF01 600.3345228 MHz  
 SI 32768  
 SF 600.3300115 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00





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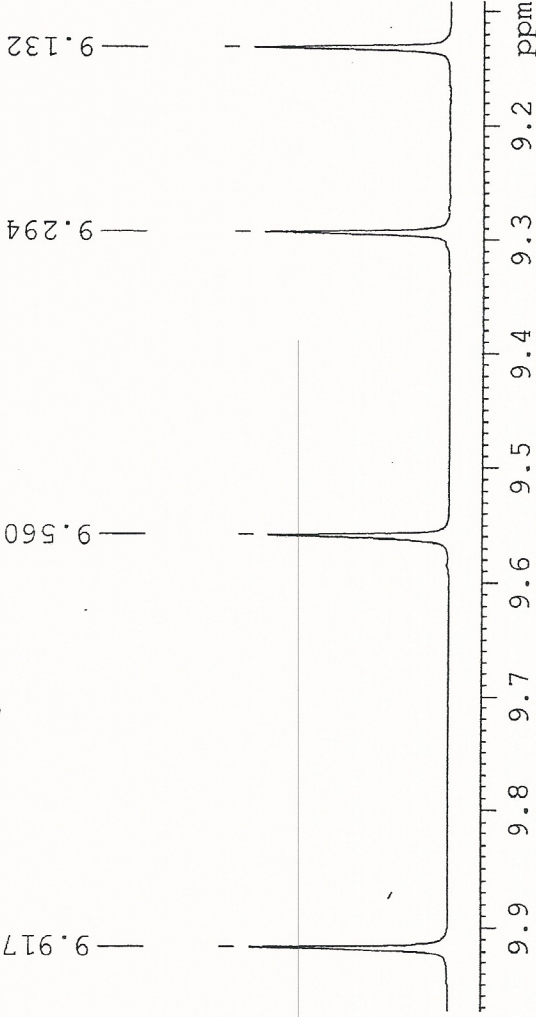
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7.706  
 7.703  
 7.561  
 7.549  
 7.546  
 7.322  
 7.317  
 7.214  
 7.209  
 7.199  
 7.194  
 6.882  
 6.868

