



# 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.: T-414

Product: 7,3',4'-TRIHIDROXYFLAVONE

Cas Number: [2150-11-0]

Lot Number: 0210210

Chemical Formula: C<sub>15</sub>H<sub>10</sub>O<sub>5</sub>

Molecular Weight: 270.25

Melting Point: >280°C

Appearance: Light brown powder

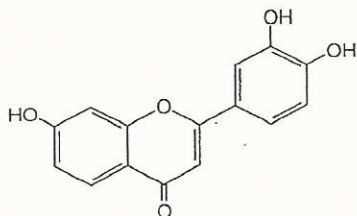
Solubility: Soluble in DMSO

TLC: Chloroform:Methanol (8:2)

NMR Spectrum: Enclosed

Storage: Cool dry place

Purity(HPLC): 98.84%





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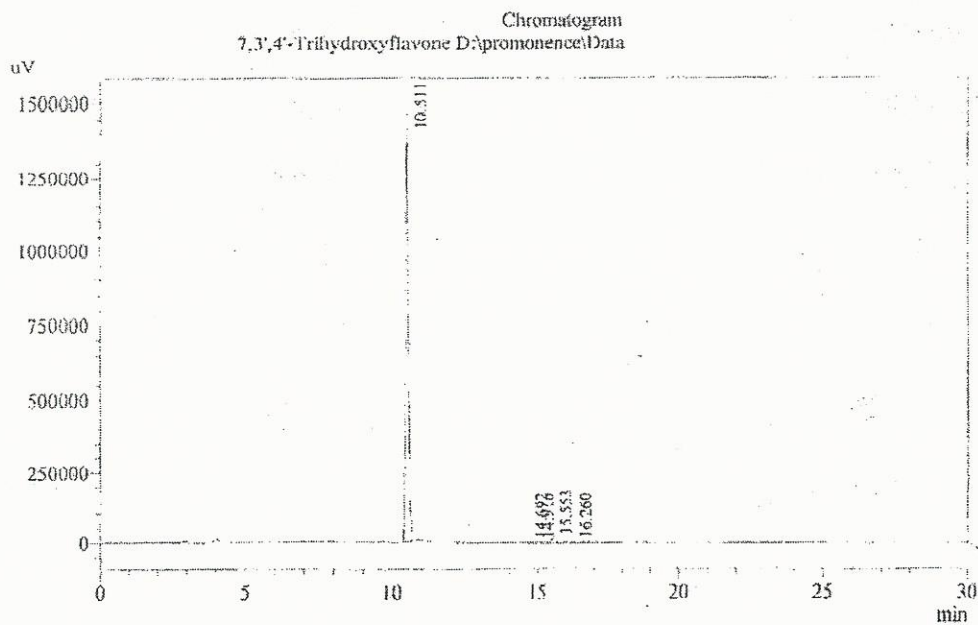
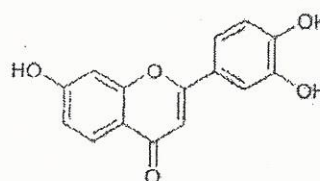
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## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 7,3',4'-Trihydroxyflavone  
Sample ID : Lot No:-0210210  
Injection Volume : 20 uL  
Data Filename : 210812H.Jcd  
Method Filename : Linear Gradient.M.lcm

Catalog no.: T-414  
Product name: 7,3',4'-Trihydroxyflavone  
Lot No.: 0210210

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



PeakTable

PDA Ch1 240nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	7,3',4'-Trihydroxyflavone	10.511	9617436	98.84	1.00
2	RT:14.692	14.692	4998	0.05	1.40
3	RT:14.916	14.916	623	0.01	1.42
4	RT:15.553	15.553	104932	1.08	1.48
5	RT:16.260	16.260	2578	0.03	1.55
Total			9730567	100.00	



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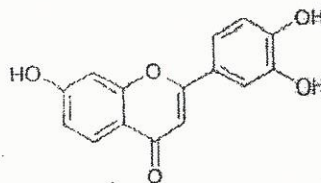
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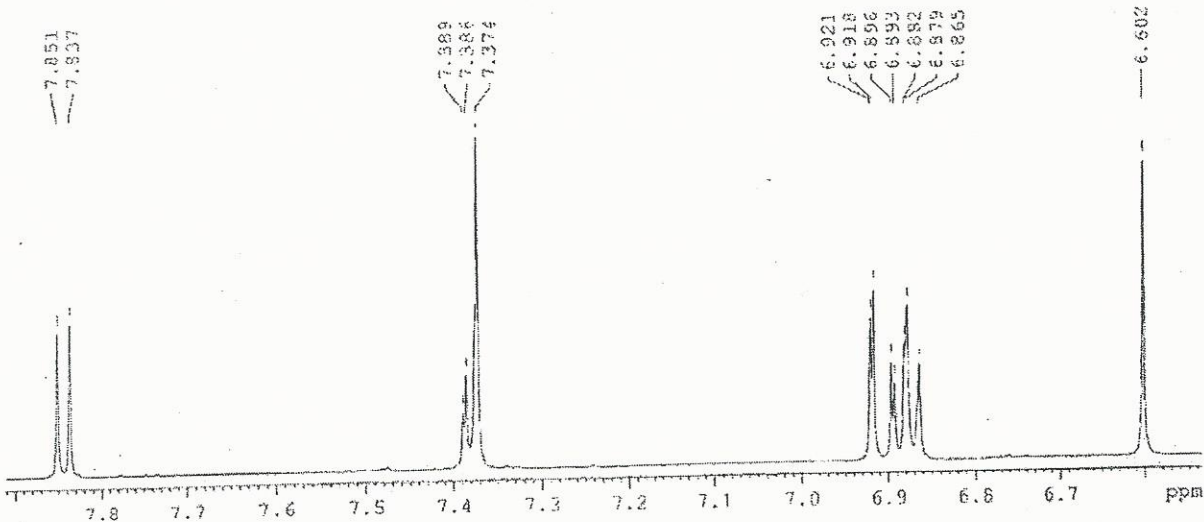
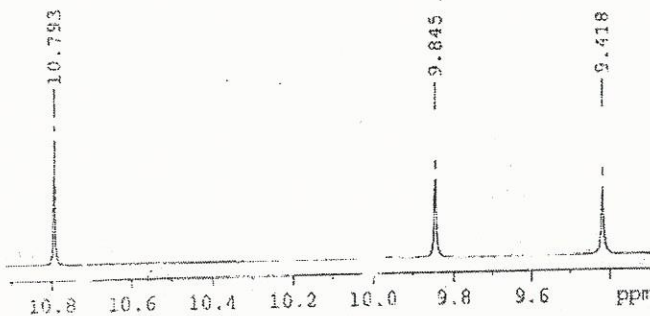
Catalog no.: T-414  
Product name: 7,3',4'-Trihydroxyflavone  
Lot No.: 0210210



SOLVENT DMSO  
NS 8  
FS 0  
SFR 10714.285 Hz  
FIDRES 0.357163 Hz  
AQ 1.3593567 sec  
RG 25.4  
RG 49.567 usec  
DW 0.60 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  
PL1a 6.62584448 W  
SFO1 800.3543219 MHz  
SI 32768  
SF 600.3300114 MHz  
SFO 5M  
SSB 0  
LB 0.30 Hz  
GB C  
PC 1.00





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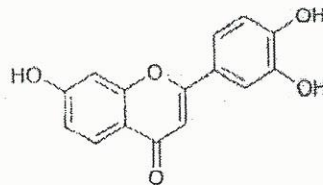
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Catalog no.: T-414  
Product name: 7,3',4'-Trihydroxyflavone  
Lot No.: 0210210



SOLVENT DMSO  
NS C  
DS C  
DNR 10754.786 Hz  
FIDRES 9.357167 Hz  
AQ 1.3592567 sec  
RG 21.4  
OR 46.667 usec  
OS 6.00 usec  
FE 298.2 K  
DI 1.50000000 sec  
TD9 1

1H IN DMSO  
AVANCE-600

===== CHANNEL 21 =====  
SFO1 1K  
P1 7.20 usec  
PL1 2.00 dB  
PL1W 6.6255448 W  
SFO2 600.3343218 MHz  
SF 32768  
CF 600.3300114 MHz  
WDW EM  
SSB 0  
\*N 0.10 Hz  
GB 0  
\*C 1.00

