



# 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: T-406

Product Name: **5,3',4'-TRIHYDROXYFLAVONE**

Cas Number: [19852-25-6]

Lot Number: 0012286

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

Molecular Weight: 270.24

Melting Point: Above 290°C

Appearance: Greenish yellow crystals

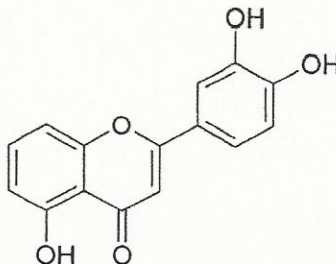
Solubility: Soluble in DMSO

TLC: Chloroform : Methanol (9:1)

NMR Spectrum: Enclosed (Conforms to the structure)

Storage: Cool dry place

Purity (HPLC): 97.07%





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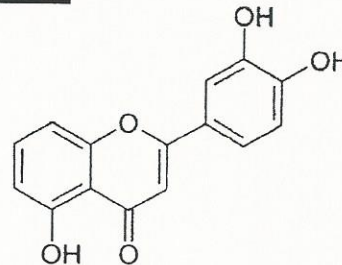
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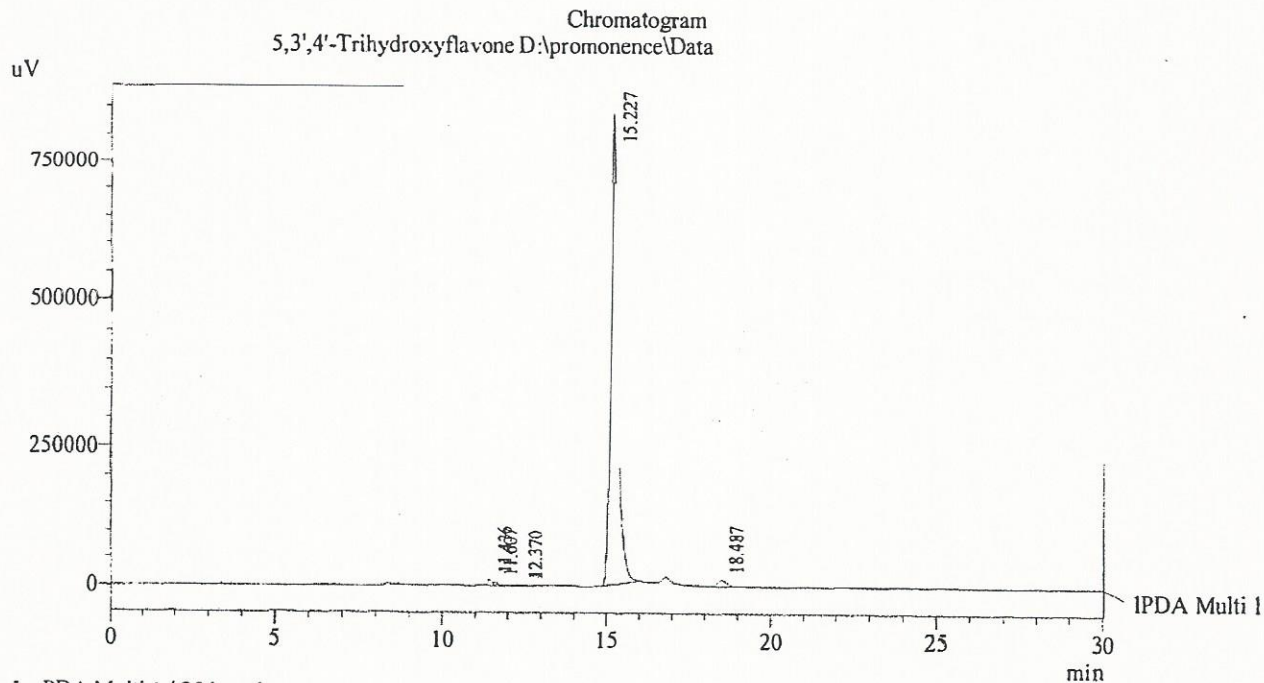
E-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Acquired by : Sanjee  
 Sample Name : 5,3',4'-Trihydroxyflavone  
 Sample ID : Lot No:-0012286  
 Injection Volume : 20uL  
 Data Filename : 130413E.Icd  
 Method Filename : Linear Gradient M.lcm  
 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



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 Lot No.: 0012286



I PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.436	11.436	83471	0.66	0.75
2	RT:11.607	11.607	49550	0.39	0.76
3	RT:12.370	12.370	22620	0.18	0.81
4	5,3',4'-Trihydroxyflavone	15.227	12270326	97.07	1.00
5	RT:18.487	18.487	215016	1.70	1.21
Total			12640984	100.00	



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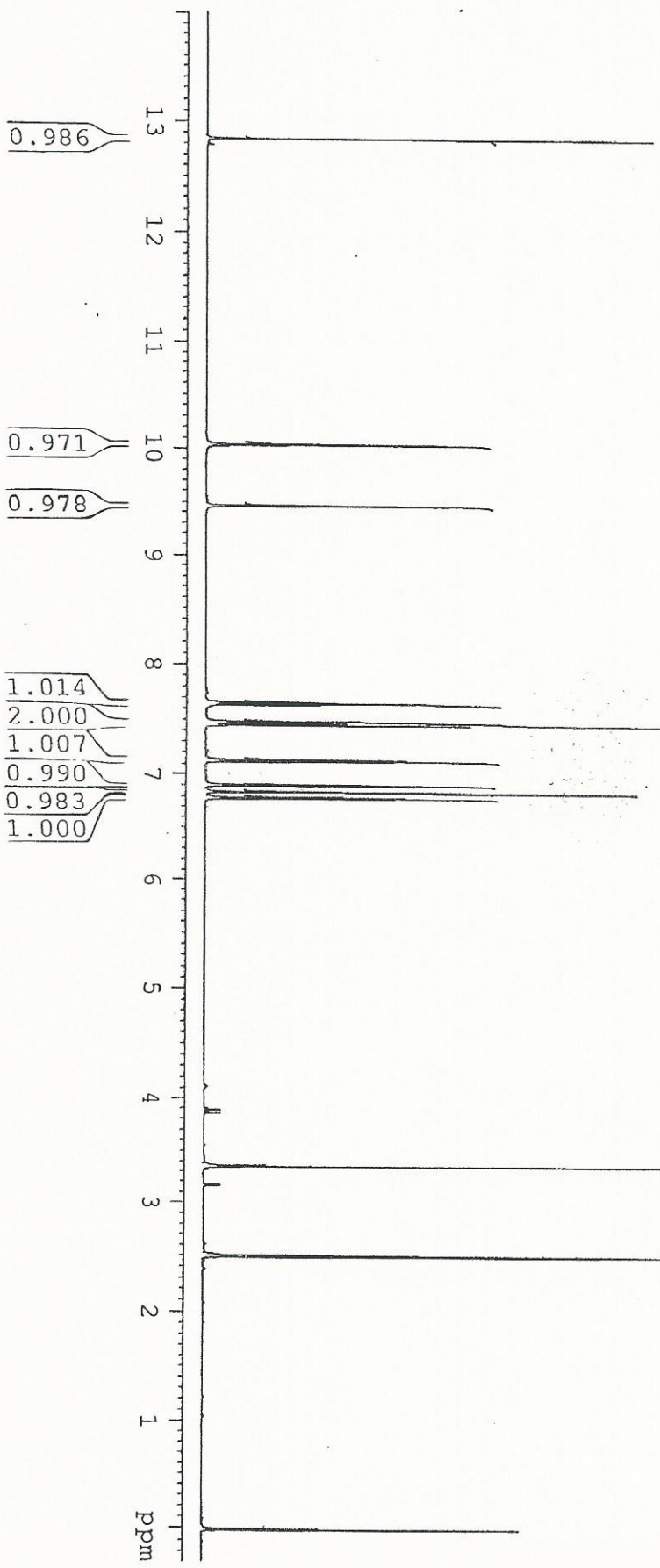
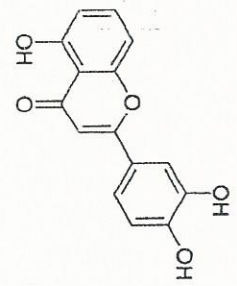
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Product name: 5,3',4'-Trihydroxyflavone  
Lot No.: 0012286

1H IN DMSO  
AVANCE-600

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

===== CHANNEL f1 =====	
NUC1	1H
P1	7.50 usec
PL1	2.60 dB
PL1W	6.62584448 W
SFO1	600.3345228 MHz
SI	32768
SF	600.3300114 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00







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1H IN DMSO  
AVANCE-600

SOLVENT DMSO  
NS 16  
DS 0  
SMH 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

===== CHANNEL f1 =====  
NUC1 1H  
P1 7.50 usec  
PL1 2.60 dB  
PL1W 6.62584448 W  
SF01 600.3345228 MHz  
SI 32768  
SF 600.3300114 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00

