



# 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-257

Product:

**3,7-DIHYDROXYFLAVONE**  
(7-Hydroxyflavonol)

Cas Number:

[492-00-2]

Lot Number:

98024

Chemical Formula:

$C_{15}H_{10}O_4$

Molecular Weight:

254.25

Melting Point:

258-262°C

Appearance:

Off white powder

Solubility:

Soluble in DMSO

TLC:

Chloroform:Methanol (9:1)

NMR Spectrum

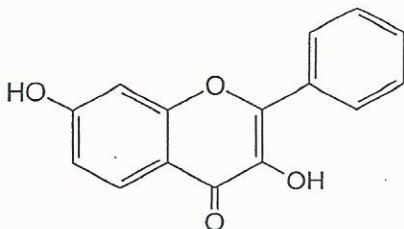
Enclosed

Storage:

Cool dry place

Purity (HPLC):

99.37%





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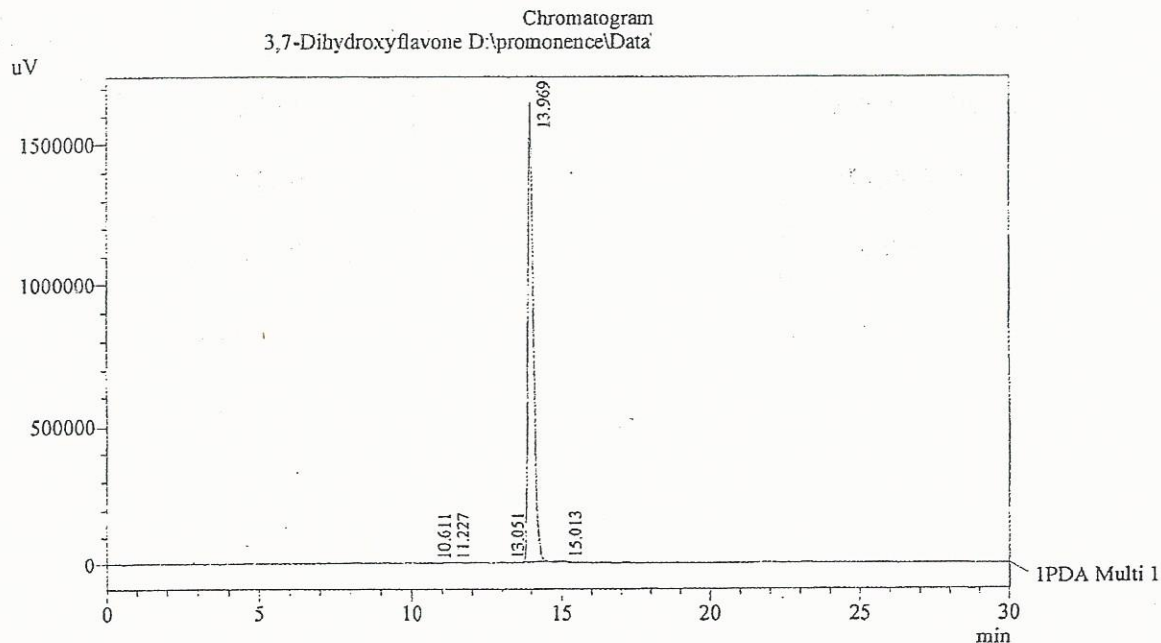
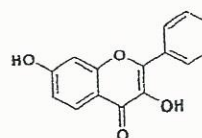
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 3,7-Dihydroxyflavone  
Sample ID : Lot No: 98024  
Injection Volume : 20 uL  
Data Filename : 060213D.lcd  
Method Filename : Linear Gradient.M.lcm

Catalog No.: D-257  
Product name: 3,7-Dihydroxyflavone  
(7-Hydroxyflavonol)  
Lot No.: 98024

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



1 PDA Multi 1 / 254nm 4nm

PeakTable

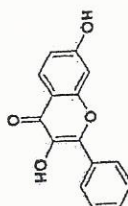
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:10.611	10.611	10357	0.05	0.76
2	RT:11.227	11.227	17285	0.08	0.80
3	RT:13.051	13.051	20297	0.09	0.93
4	3,7-Dihydroxyflavone	13.969	22211946	99.37	1.00
5	RT:15.013	15.013	93359	0.42	1.07
Total			22353244	100.00	



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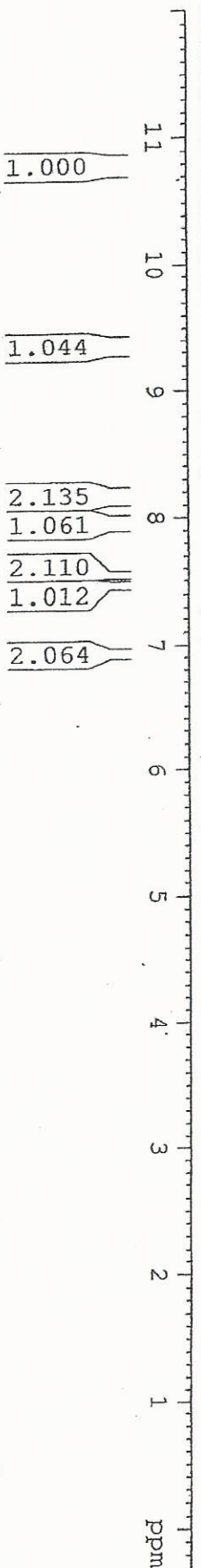
Catalog No.: D-257  
 Product name: 3,7-Dihydroxyflavone  
 (7-Hydroxyflavonol)  
 Lot No.: 98024



SOLVENT DMSO  
 NS 37  
 DS 0  
 SMH 10416.667 Hz  
 FIDRES 0.347245 Hz  
 AQ 1.4399540 sec  
 RG 2050  
 DW 48.000 usec  
 DE 6.00 usec  
 TE 298.3 K  
 DI 1.50000000 sec  
 TDO 1

1H IN DMSO  
 AVANCE-600

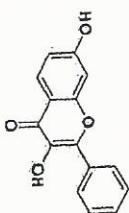
\*\*\*\*\* CHANNEL F1 \*\*\*\*\*  
 NDCL 1H  
 P1 8.50 usec  
 P1L -1.00 dB  
 P1LW 15.17893314 W  
 SFO1 .600.3348676 MHz  
 SI 32768  
 SF 600.3300116 MHz  
 WDM EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00





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 Lot No.: 98024



1H IN DMSO  
 AVANCE-600

SOLVENT	DMSO
NS	37
DS	0
SMH	10416.667 Hz
FIDRES	0.347245 Hz
AQ	1.4399540 sec
RG	2050
DW	48.000 usec
DE	6.00 usec
TE	298.3 K
DI	1.50000000 sec
TD0	1

===== CHANNEL F1 =====	1H
NUC1	1H
PI	8.50 usec
PL1	-1.00 dB
PL1W	15.17893314 W
SFO1	600.3348676 MHz
SI	32768
SP	600.3300116 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

