



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

e-mail: 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: C₁₅H₁₀O₄

Molecular Weight: 254.25

Melting Point: 258-262°C

Appearance: Off white powder

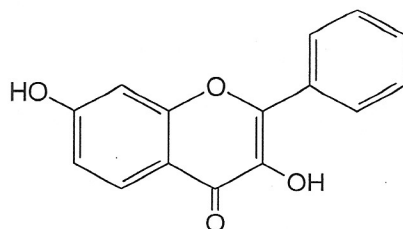
Solubility: Soluble in DMSO

TLC: Chloroform:Methanol (9:1)

NMR Spectrum Enclosed

Storage: Cool dry place

Purity (HPLC): 99.37%





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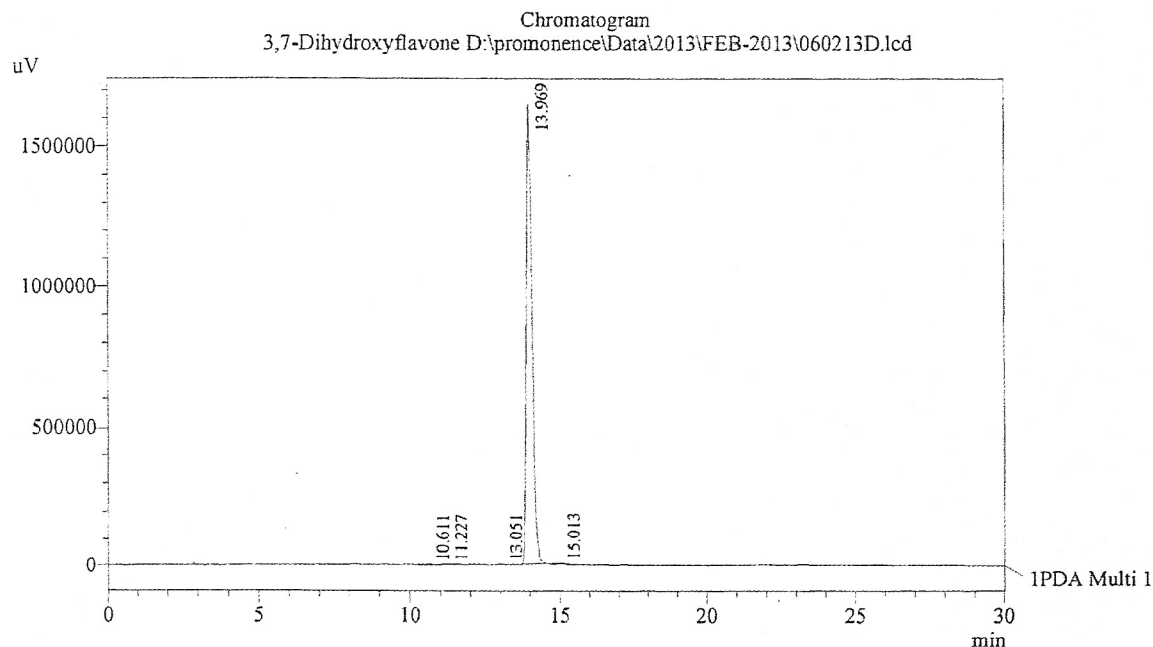
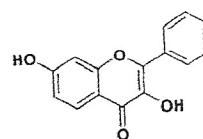
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HPLC ANALYSIS

Acquired by	: Sanjeev	Catalog No.:	D-257
Sample Name	: 3,7-Dihydroxyflavone	Product name:	3,7-Dihydroxyflavone (7-Hydroxyflavonol)
Sample ID	: Lot No: 98024	Lot No.:	98024
Injection Volume	: 20 uL		
Data Filename	: 060213D.lcd		
Method Filename	: Linear Gradient.M.lcm		

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

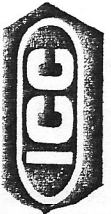


1 PDA Multi 1 / 254nm 4nm

PeakTable

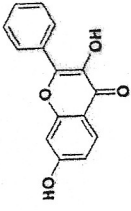
PDA Ch1 254nm 4nm

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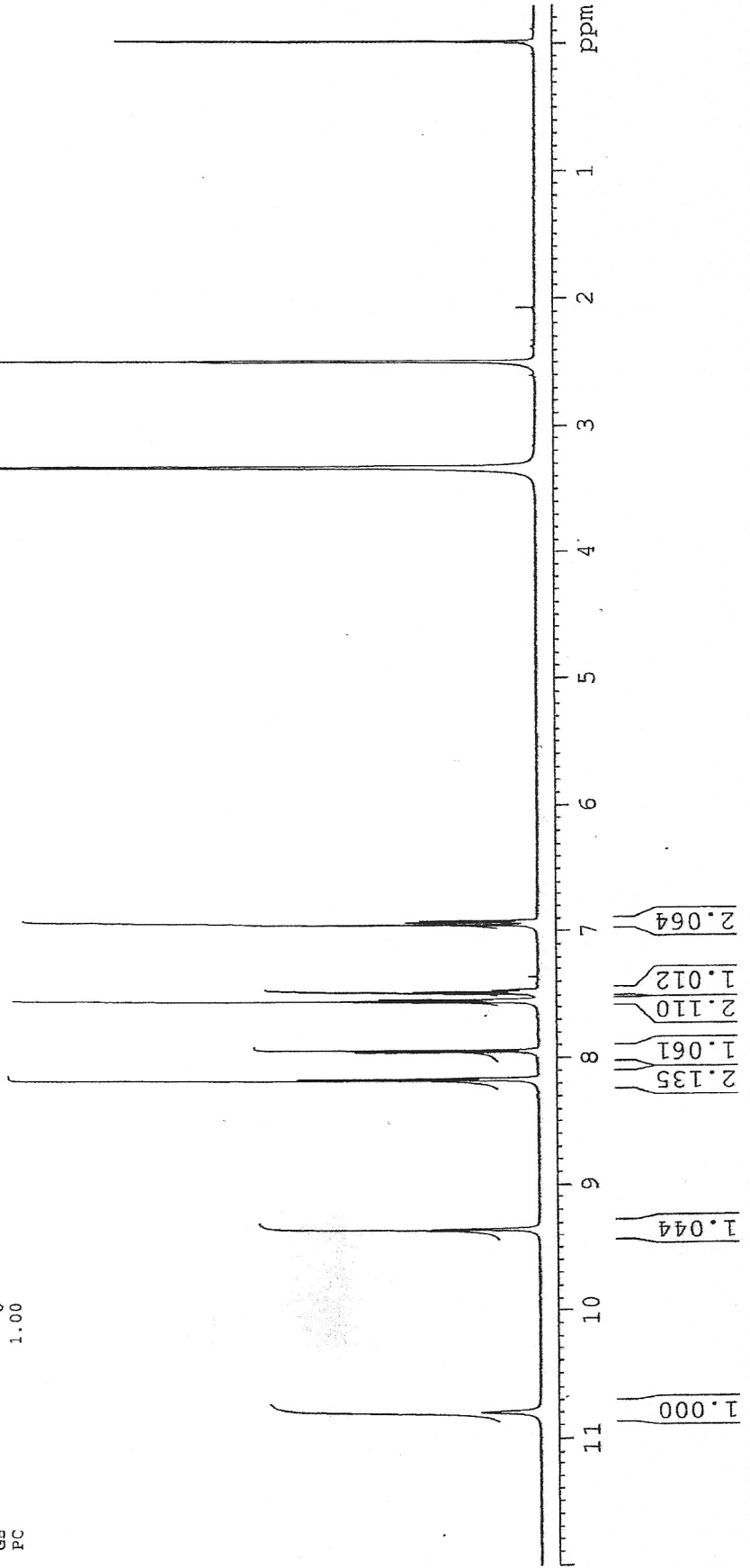
Catalog No.: D-257
 Product name: 3,7-Dihydroxyflavone
 (7-Hydroxyflavonol)
 Lot No.: 98024

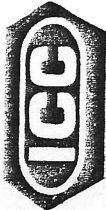


SOLVENT DMSO
 NS 37
 DS 0
 SMH 10416.667 Hz
 FIDRES 0.347245 Hz
 AQ 1.4399540 sec
 RG 2050
 DW 48.000 usec
 DE 6.00 usec
 TE 298.3 K
 D1 1.50000000 sec
 TD0 1

ICC-JAN-9
 1H IN DMSO
 AVANCE-600

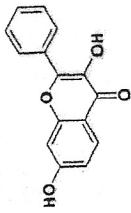
***** CHANNEL f1 *****
 NUC1 1H
 P1 8.50 usec
 PL1 -1.00 dB
 PLLW 15.17893314 W
 SF01 .600.3348676 MHz
 SI 32768
 SF 600.3300116 MHz
 EM
 WDW 0
 SSB 0.30 Hz
 LB 0
 GB 0
 PC 1.00





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 (7-Hydroxyflavonol)
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 AVANCE-600

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