



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

Catalog Number: 22-205

Product Name: **3,6,2',4'-TETRAHYDROXYFLAVONE**

Lot Number: 98129

Chemical Formula: C₁₅H₁₀O₆

Molecular Weight: 286.25

Melting Point 285°C (dec)

Appearance: Yellow powder

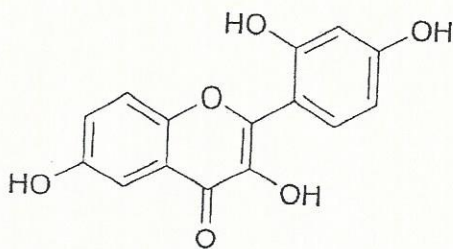
Solubility: Soluble in DMSO

TLC: Chloroform : Methanol : Acetic acid (5.5:1.5:0.1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 93.62%





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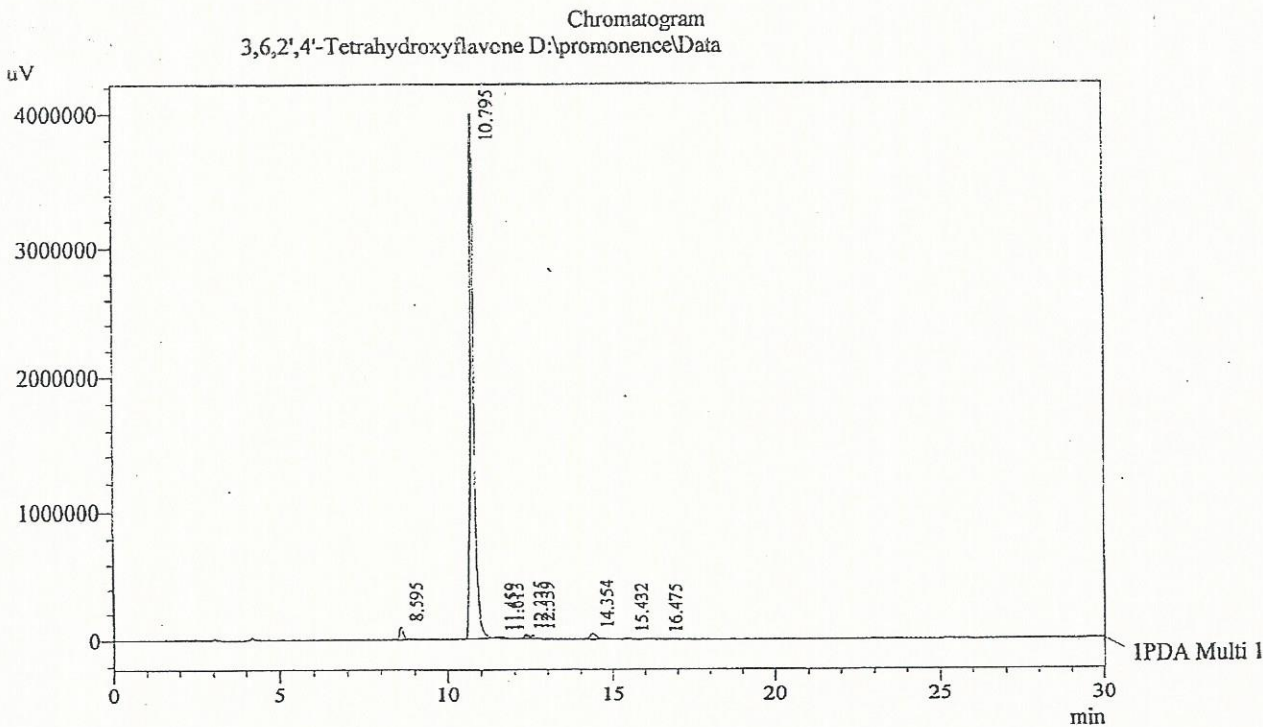
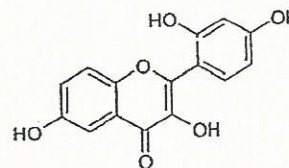
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 3,6,2',4'-Tetrahydroxyflavone
 Sample ID : Lot No:98129
 Injection Volume : 20 uL
 Data Filename : 040613M.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: 22-205
 Product name: 3,6,2',4'-Tetrahydroxyflavone
 Lot No.: 98129

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



1 PDA Multi 1 / 240nm 4nm

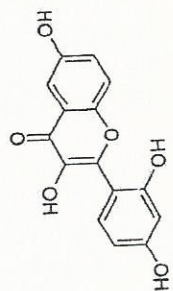
PeakTable

PDA Ch1 240nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:8.595	8.595	777489	2.23	0.80
2	3,6,2',4'-Tetrahydroxyflavone	10.795	32645614	93.62	1.00
3	RT:11.459	11.459	47759	0.14	1.06
4	RT:11.613	11.613	111506	0.32	1.08
5	RT:12.335	12.335	235563	0.68	1.14
6	RT:12.539	12.539	221948	0.64	1.16
7	RT:14.354	14.354	646867	1.86	1.33
8	RT:15.432	15.432	104844	0.30	1.43
9	RT:16.475	16.475	79473	0.23	1.53
Total			34871062	100.00	



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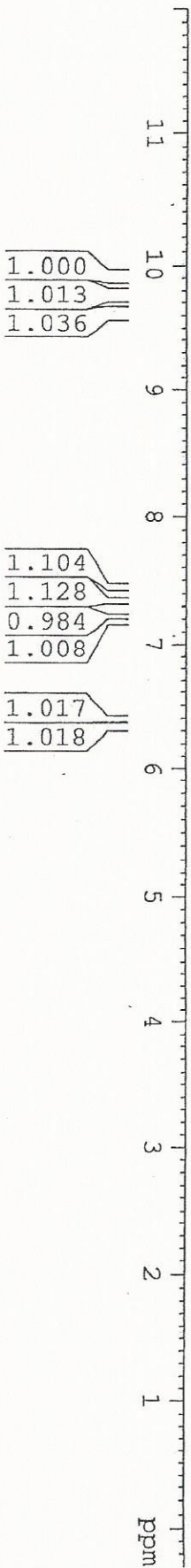


Catalog No.: 22-205
 Product name: 3,6,2',4'-Tetrahydroxyflavone
 Lot No.: 98129

1H IN DMSO
 AVANCE-600

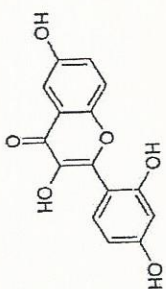
SOLVENT DMSO
 NS 16
 DS 0
 SMH 11261.262 Hz
 FIDRES 0.375400 Hz
 AQ 1.3319612 sec
 RG 40.3
 DW 44.400 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

===== CHANNEL F1 =====
 NUCL 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SFO1 600.351774 MHz
 SI 32768
 SF 600.3300116 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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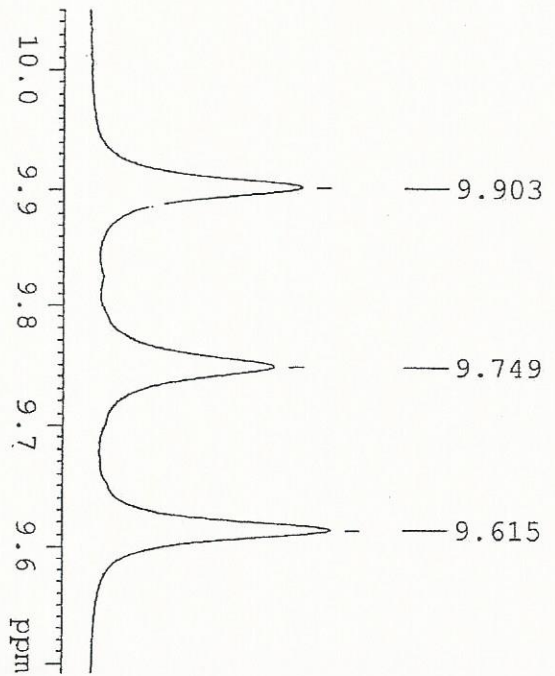
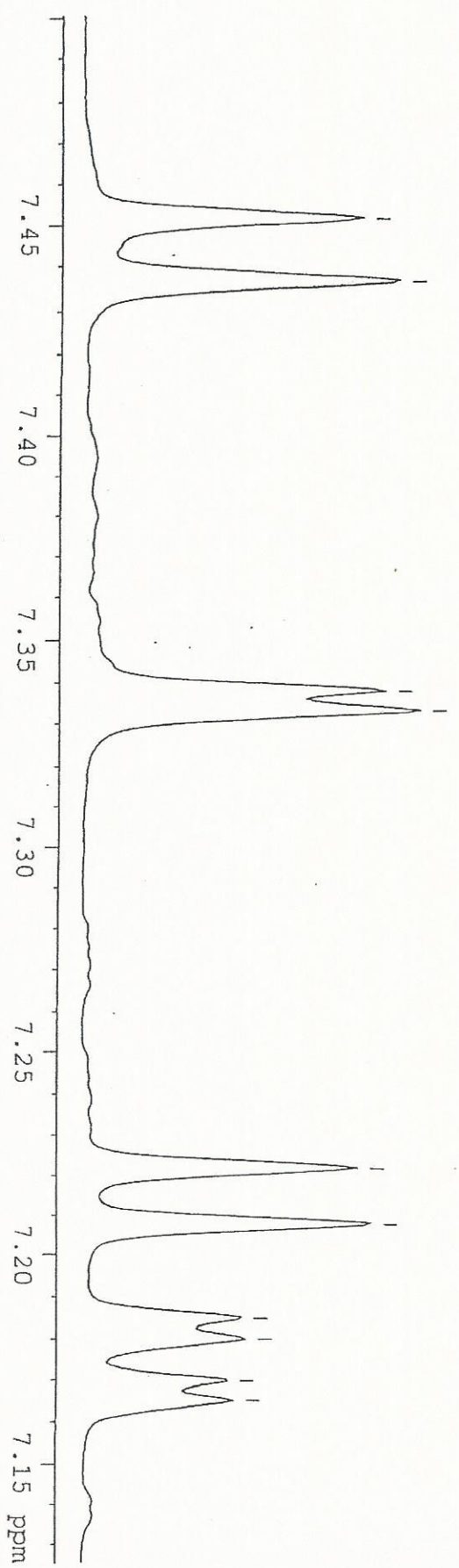
Catalog No.: 22-205
 Product name: 3,6,2',4'-Tetrahydroxyflavone
 Lot No.: 98129

SOLVENT DMSO
 NS 16
 DS 0
 SMH 11261.262 Hz
 FIDRES 0.375400 Hz
 AQ 1.3319612 sec
 RG 40.3
 DM 44.400 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TDO 1

CHANNEL F1
 NUCL 1H
 PI 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3351774 MHz
 S1 32768
 SF 600.3300116 MHz
 MDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

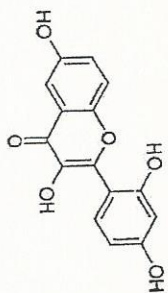
1H IN DMSO
 AVANCE-600

7.453
 7.438
 7.339
 7.334
 7.223
 7.209
 7.185
 7.180
 7.170
 7.165





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 Lot No.: 98129

SOLVENT DMSO
 NS 16
 DS 0
 SWH 11261.262 Hz
 FIDRES 0.375400 Hz
 AQ 1.3319612 sec
 RG 40.3
 DW 44.400 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.5000000 sec
 TD0 1

1H IN DMSO
 AVANCE-600

===== CHANNEL f1 =====
 NU01 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SFO1 600.3351774 MHz
 SI 32768
 SF 600.3300116 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

