



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.: G-500

Product: **GOSSYPETIN**
(3,5,7,8,3',4'-Hexahydroxyflavone)

CAS Number: [489-35-0]

Lot Number: 97047

Chemical Formula: C₁₅H₁₀O₈

Molecular Weight: 318.24

Melting Point: >280°C

Appearance: Greenish yellow powder

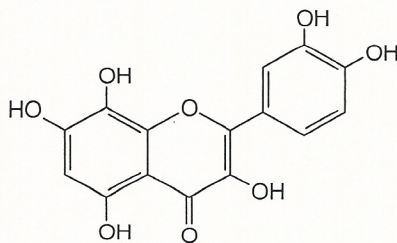
Solubility: Soluble in DMSO

TLC: Chloroform: Methanol: ACOH (9:0.5:0.5)

NMR Spectrum: Enclosed

Storage: Cool dry place

Purity(HPLC): 98.08%





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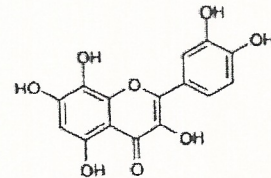
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : Gossypetin (3,5,7,8,3',4'-Hexahydroxyflavone)
Sample ID : Lot No:-97047
Injection Volume : 20 uL
Data Filename : 281212E.lcd
Method Filename : Linear Gradient.M.lcm

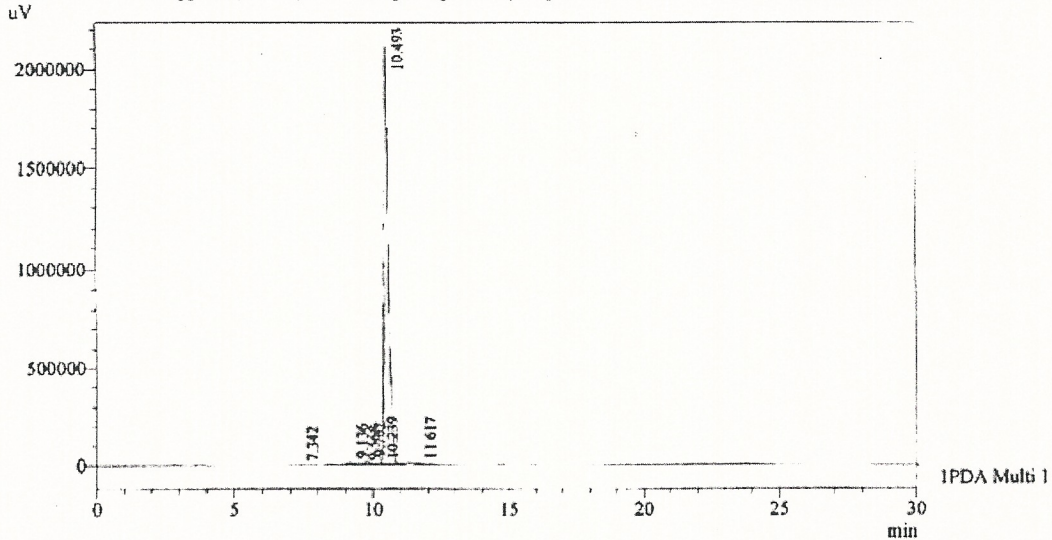
Catalog no.: G-500
Product name: Gossypetin
Lot No.: 97047

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



Chromatogram

Gossypetin (3,5,7,8,3',4'-Hexahydroxyflavone) D:\promonence\Data\2012\DEC-2012\281212E.lcd



IPDA Multi 1 / 254nm 4nm

PeakTable

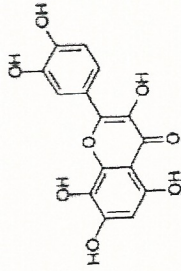
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:7.342	7.342	8994	0.04	0.70
2	RT:9.136	9.136	132743	0.59	0.87
3	RT:9.568	9.568	8480	0.04	0.91
4	RT:9.762	9.762	206249	0.92	0.93
5	RT:10.239	10.239	52061	0.23	0.98
6	Gossypetin	10.493	22041828	98.08	1.00
7	RT:11.617	11.617	22173	0.10	1.11
Total			22472529	100.00	



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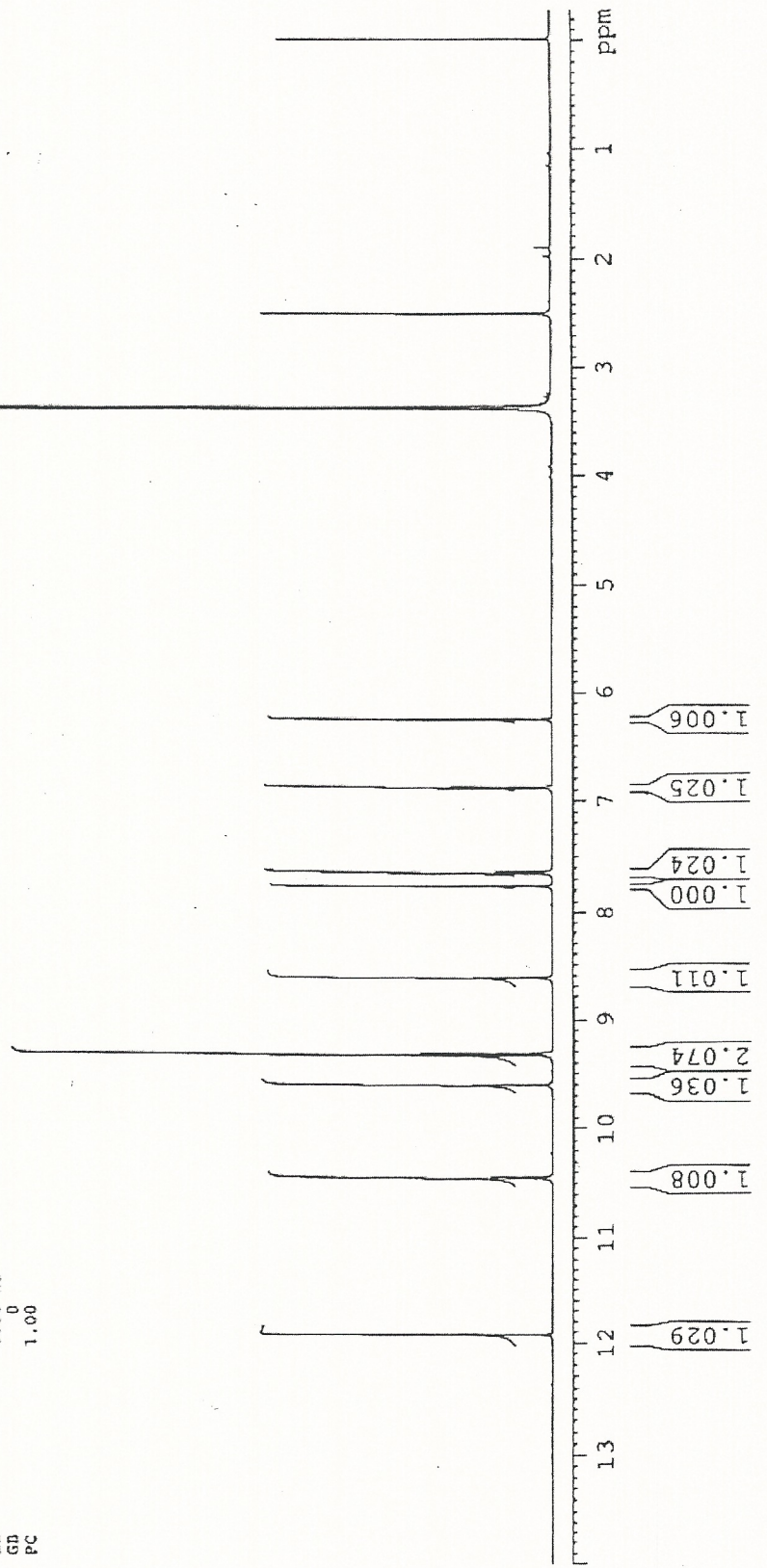
Catalog no.: G-500
 Product name: Gossypetin
 Lot No.: 97047



ICC-DEC-11
 1H IN DMSO
 AVANCE-600

SOLVENT DMSO
 NS B
 DS 0
 SNH 11029.412 Hz
 FIDRES 0.367672 Hz
 AQ 1.3599594 sec
 RG 50.8
 DM 45.333 usec
 DE 6.00 usec
 TE 299.2 K
 D1 1.50000000 sec
 TDO 1

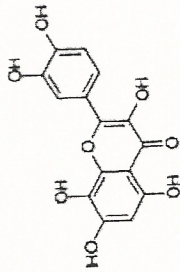
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 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.025084440 W
 SF01 600.3345152 MHz
 SI 32768
 SF 600.3300115 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GD 0
 PC 1.00





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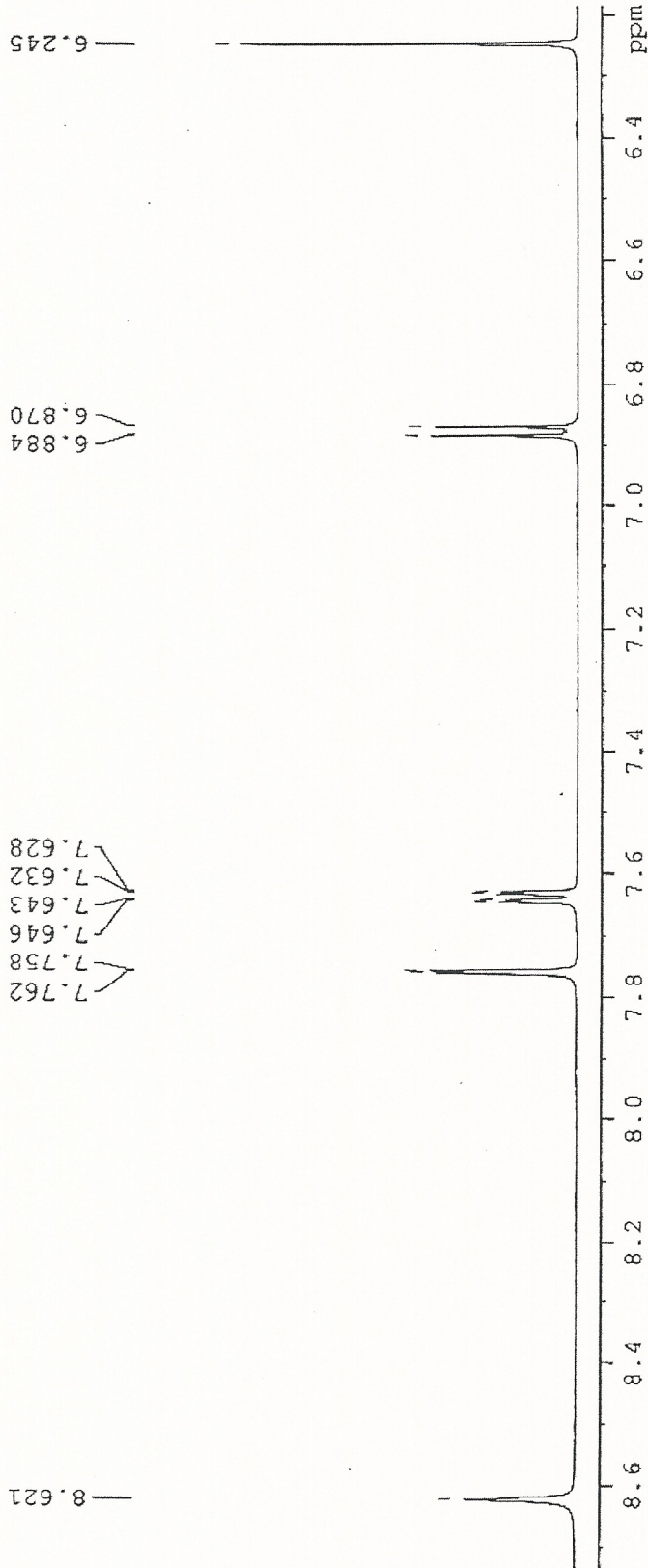
Catalog no.: G-500
 Product name: Gossypetin
 Lot No.: 97047



ICC-DEC-11
 1H IN DMSO
 AVANCE-600

SOLVENT DMSO
 NS 8
 DS 0
 SWH 11029.412 Hz
 FIDRES 0.367672 Hz
 AQ 1.3599594 sec
 RG 50.8
 DW 45.333 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.5000000 sec
 TDO 1

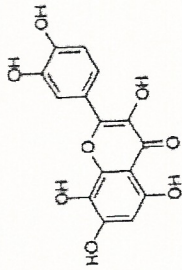
***** CHANNEL f1 *****
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.6258448 W
 SFO1 600.3345152 MHz
 S1 32768
 SF 600.3300115 MHz
 NDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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Catalog no.: G-500
 Product name: Gossypetin
 Lot No.: 97047



SOLVENT DMSO
 R3 B
 D5 0
 SMK 11029.412 Hz
 FIDRES 0.167672 Hz
 AQ 1.3598594 sec
 RG 50.8
 DW 45.333 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TDO 1

ICC-DEC-11
 1H IN DMSO
 AVANCE-600

----- CHANNEL f1 -----
 NUC1 1H
 P1 7.50 usec
 P2 2.60 dB
 PL1 6.6258448 W
 SFO1 600.3345152 MHz
 S1 32768
 SF 600.3300115 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

