



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: G-500

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

CAS Number: [489-35-0]

Lot Number: 000451

Chemical Formula: C₁₅H₁₀O₈

Molecular Weight: 318.24

Melting Point: 294-299°C

Appearance: Greenish yellow powder

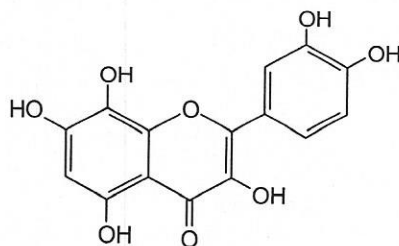
TLC: Chloroform: Methanol (9:1)

Solubility: Clear solution in DMSO

NMR Spectrum: Conforms to the structure

Storage: Store in a cool, dry place.

Purity (HPLC): 93.27%



ICG INDOFINE Chemical Company, Inc.

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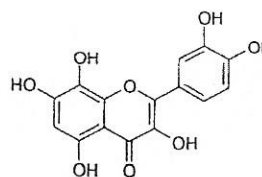
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

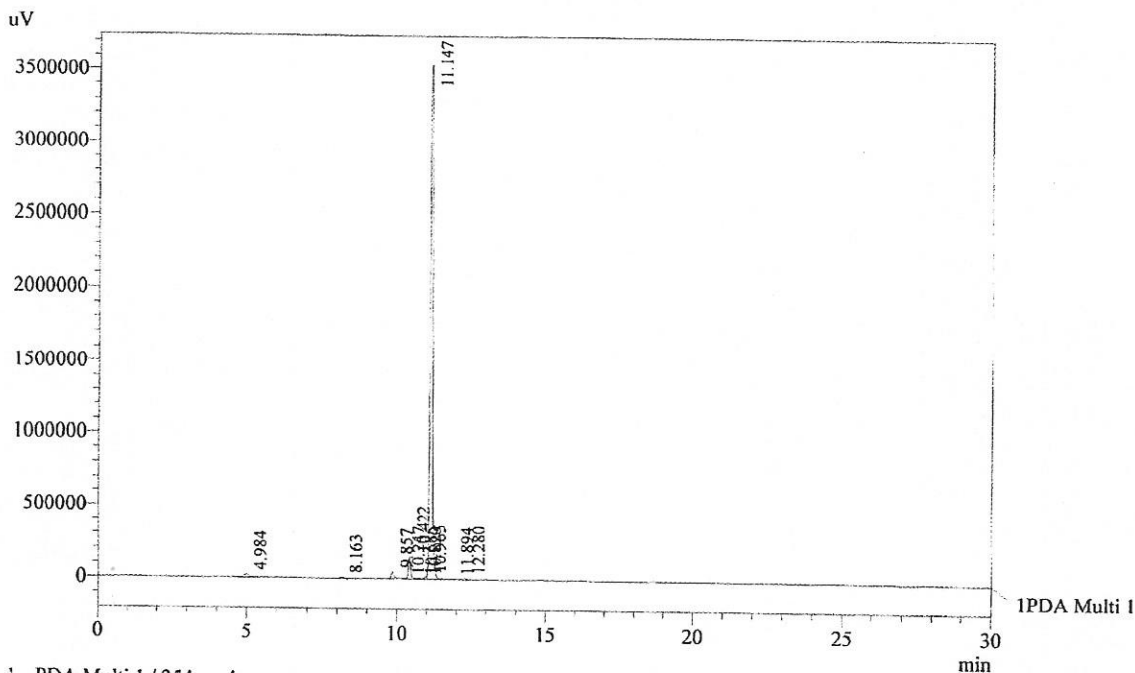
Acquired by : Sanjeev
 Sample Name : Gossypetin (3,5,7,8,3',4'-Hexahydroxyflavone)
 Sample ID : Lot No: 000451
 Injection Volume : 20 uL
 Data Filename : 021214L.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: G-500
 Product Name: Gossypetin
 Lot No.: 000451

Column : Gemini C18 (250mm x4.6mm 5.0µ)
 Flow : 1.000 mL/min.
 Mobile Phase : A(0.05% of 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



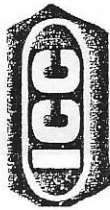
Chromatogram



1 PDA Multi 1 / 254nm 4nm

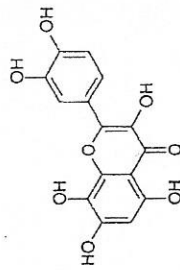
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:4.984	4.984	248512	1.09	0.45
2	RT:8.163	8.163	43878	0.19	0.73
3	RT:9.857	9.857	280641	1.24	0.88
4	RT:10.247	10.247	7742	0.03	0.92
5	RT:10.422	10.422	803656	3.54	0.93
6	RT:10.685	10.685	8559	0.04	0.96
7	RT:10.820	10.820	5972	0.03	0.97
8	RT:10.965	10.965	72496	0.32	0.98
9	Gossypetin	11.147	21190452	93.27	1.00
10	RT:11.894	11.894	4059	0.02	1.07
11	RT:12.280	12.280	52291	0.23	1.10
Total			22718257	100.00	



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 BLDG. 30, SUITE 1
 HILLSBOROUGH, NJ 08844

Catalog No.: G-500
 Product Name: Gossypetin
 Lot No.: 000451



1H IN DMSO
 AVANCE-600

SOLVENT DMSO
 NS 8
 DS 0
 SWH 10416.667 Hz
 FIDRES 0.347245 Hz
 AQ 1.4399540 sec
 RG 322
 DW 48.000 usec
 DE 6.00 usec
 TE 298.3 K
 D1 1.50000000 sec
 TDO 1

==== CHANNEL f1 =====
 NUC1 1H
 P1 8.30 usec
 PL1 -1.00 dB
 PL1W 15.17893314 W
 SFO1 600.3344558 MHz
 SI 32768
 SF 600.3300108 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

