



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: 22-357

Product Name: **5,6-DIHYDROXYFLAVONE**

CAS: [6665-66-3]

Lot Number: 0405115

Chemical Formula: C₁₅H₁₀O₄

Molecular Weight: 254.25

Melting Point: 187-190°C

Appearance: Deep yellow powder

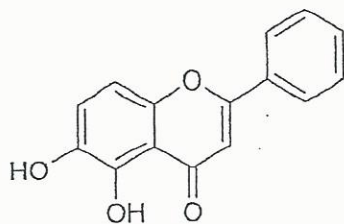
TLC: Chloroform:Methanol (9:1)

Solubility: Soluble in Chloroform

NMR Spectrum: Enclosed

Storage: Store in a cool, dry place

Purity(HPLC): 98.48%





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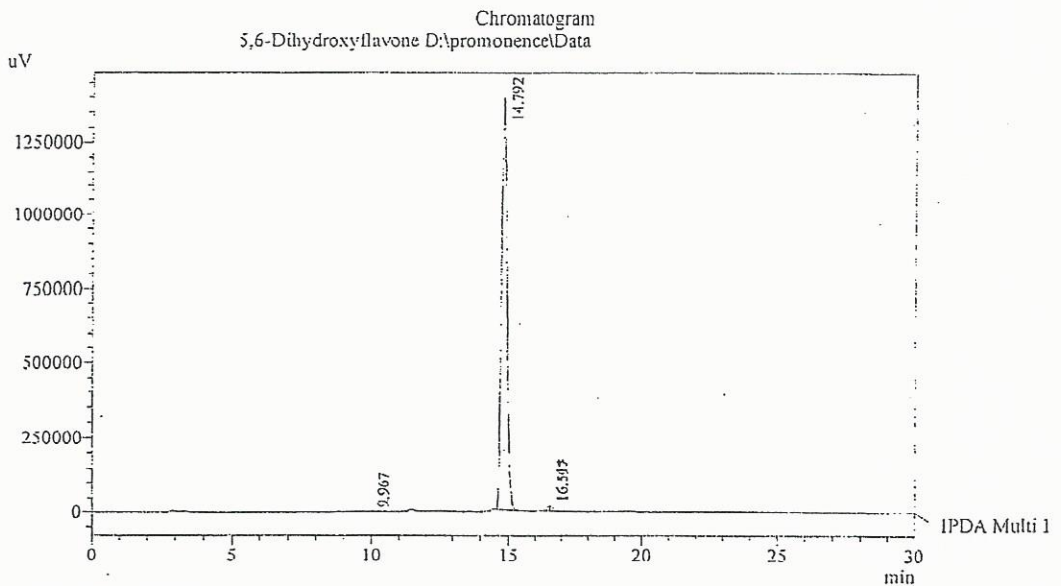
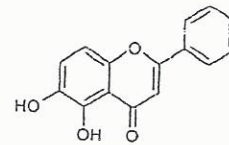
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 5,6-Dihydroxyflavone
 Sample ID : Lot No:-0405115
 Injection Volume : 20 uL
 Data Filename : 281212B.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog no.: 22-357
 Product name: 5,6-Dihydroxyflavone
 Lot No.: 0405115

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 : Acetonitrile



1 PDA Multi 1 / 254nm 4nm

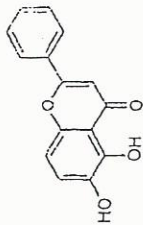
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:9.967	9.967	10895	0.06	0.67
2	5,6-Dihydroxyflavone	14.792	18472927	98.48	1.00
3	RT:16.545	16.545	135306	0.72	1.12
4	RT:16.597	16.597	138215	0.74	1.12
Total			18757344	100.00	



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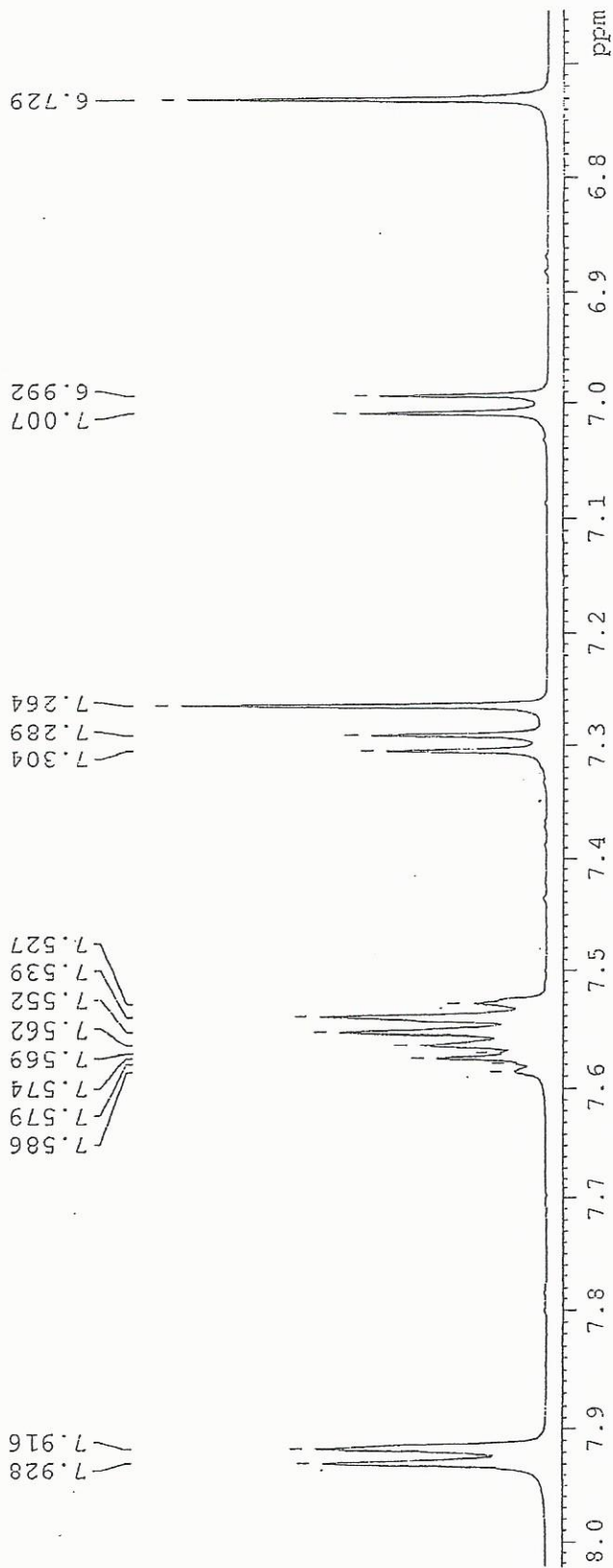
Catalog no.: 22-357
 Product name: 5,6-Dihydroxyflavone
 Lot No.: 0405115



SOIVENT CDCL3
 NS 8
 DS 0
 SWH 9403.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
 RG 20.2
 DW 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 DI 1.5000000 sec
 TDC 1

1H IN CDCL3
 AVANCE-600

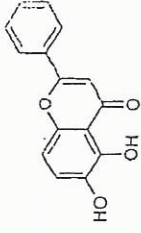
===== CHANNEL f1 =====
 NUCL 1H
 P1 7.15 usec
 PL1 2.60 dB
 P1LW 6.62584448 W
 SFO1 600.3343243 MHz
 SI 327.68
 SF 600.3300147 MHz
 WDW FM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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Catalog no.: 22-357
Product name: 5,6-Dihydroxyflavone
Lot No.: 0405115



SOLVENT CDC13
NS 8
DS 0
SRH 9803.922 Hz
FIDRES 0.326819 Hz
AQ 1.5299480 sec
RG 20.2
DW 51.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

***** CHANNEL f1 *****
NUC1 1H
P1 7.15 usec
PL1 2.60 dB
PL1W 6.62584448 W
SF01 600.3343243 MHz
S1 327.68
SF 600.3300147 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1H IN CDCL3
AVANCE-600

