



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

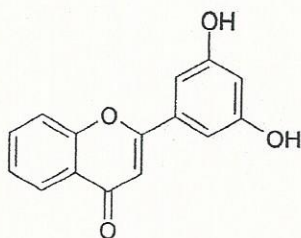
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	19-868
<u>Product Name:</u>	3',5'-DIHYDROXYFLAVONE
<u>Lot Number:</u>	0507060
<u>Chemical Formula:</u>	$C_{15}H_{10}O_4$
<u>Molecular Weight:</u>	254.24
<u>Melting Point:</u>	253-255°C
<u>Appearance:</u>	Pale yellow powder
<u>Solubility:</u>	Soluble in DMSO
<u>TLC:</u>	Chloroform : Methanol (9.5:0.5)
<u>NMR Spectrum:</u>	Enclosed (Conforms to the structure)
<u>Storage:</u>	Store in a cool, dry place
<u>Purity:</u>	99.21%





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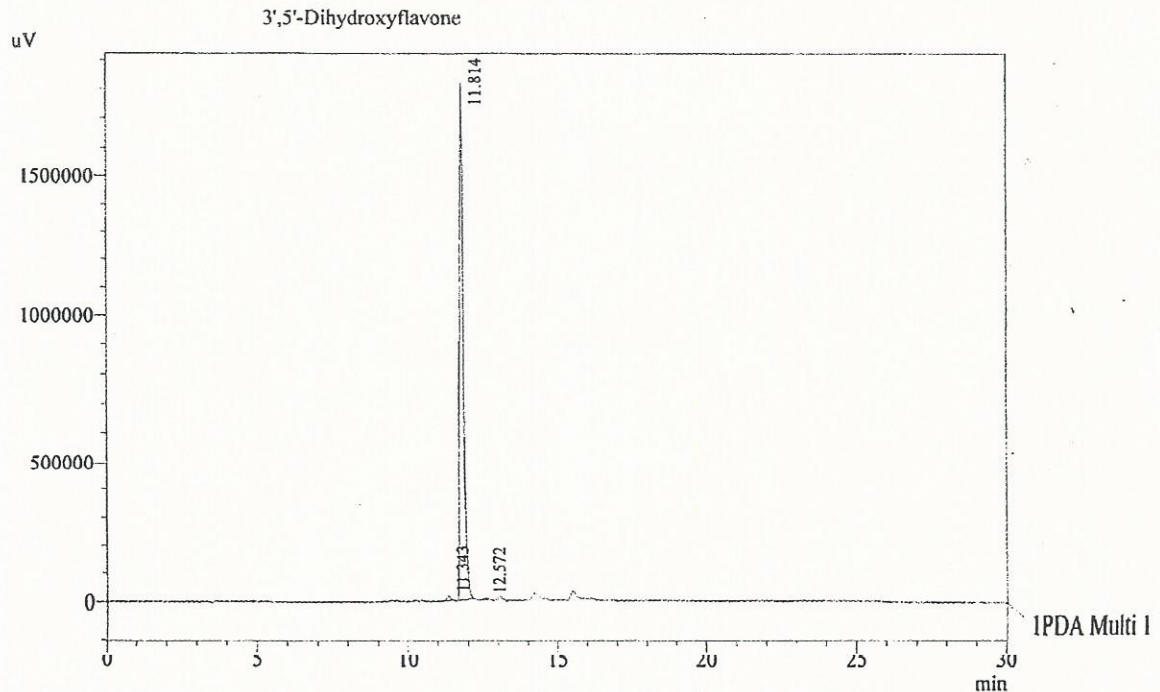
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HPLC ANALYSIS

Acquired by : Admin
Sample Name : 3',5'-Dihydroxyflavone
Sample ID : 0507060
Injection Volume : 20 uL
Data Filename : 250215F.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 19-868
Product Name: 3',5'-Dihydroxyflavone
Lot No.: 0507060

Column : Gemini C-18, (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 I / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

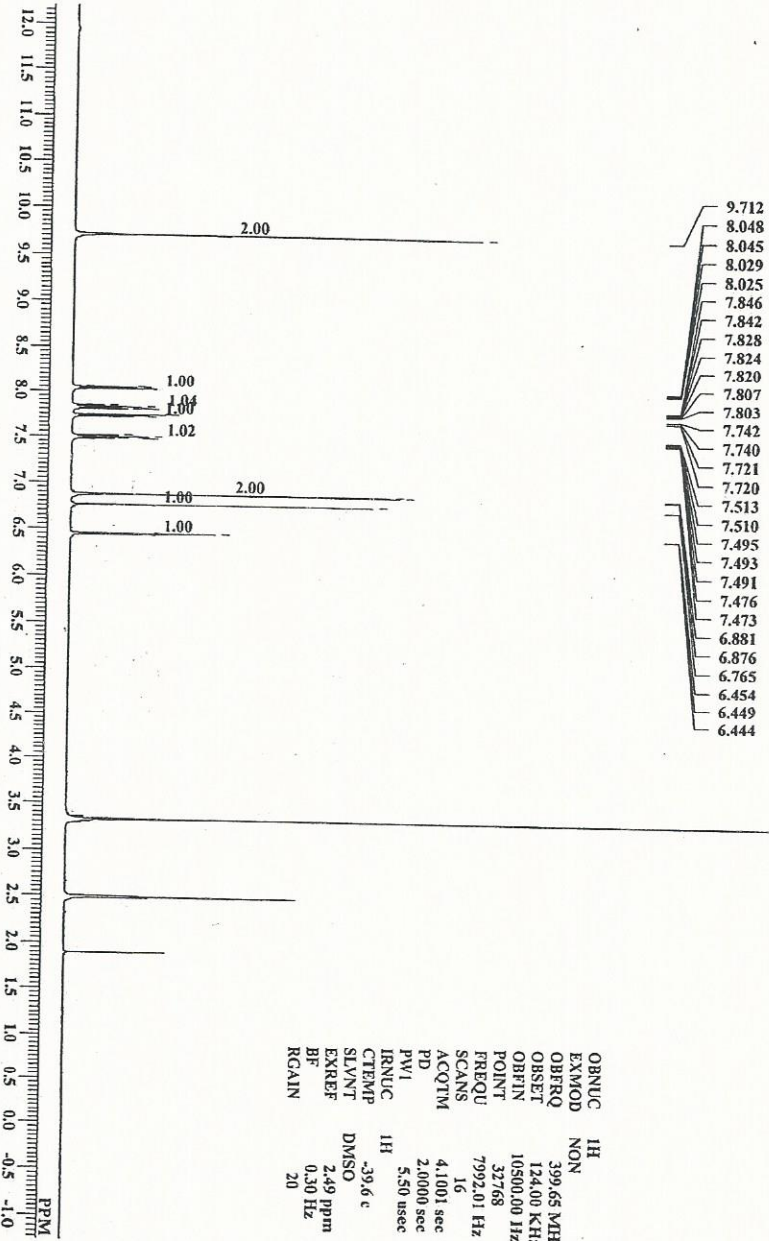
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.343	11.343	99447	0.60	0.96
2	3',5'-DiOH-Flavone	11.814	16436456	99.21	1.00
3	RT:12.572	12.572	31217	0.19	1.06
Total			16567121	100.00	



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Catalog No.: 19-868
Product Name: 3',5'-Dihydroxyflavone
Lot No.: 0507060

1H NMR DMSO-d6
Analysed By: GBR





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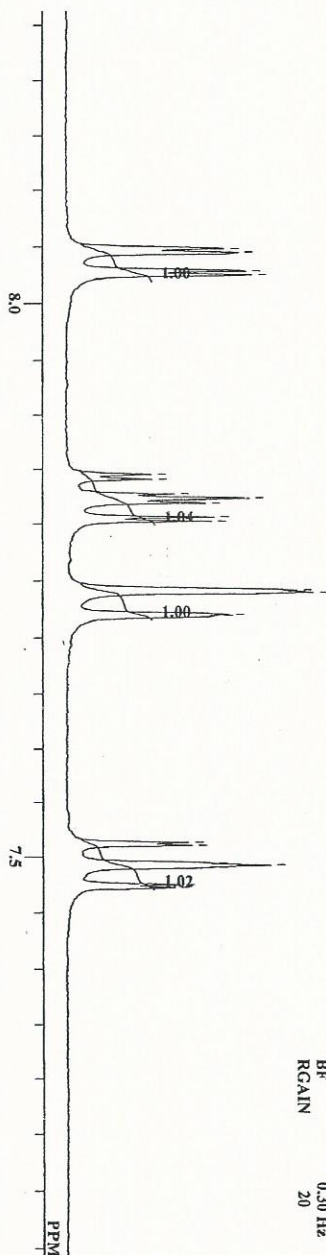
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1H NMR DMSO-d6
Analysed By: GBR

8.048
8.045
8.029
8.025

7.846
7.842
7.828
7.824
7.820
7.807
7.803
7.742
7.740
7.721
7.720

7.513
7.510
7.495
7.493
7.491
7.476
7.473



OBNETC 1H
EXMOD NON
OBFRO 399.65 MHz
OBSRT 124.00 KHz
OBFIN 10500.00 Hz
POINT 32768
FREQU 7992.01 Hz
SCANS 16
ACQTM 4.1001 sec
PD 2.0000 sec
PWL 5.50 usec
IRNDC 1H
CTEMP -39.6 c
SLVNT DMSO
EXREF 2.49 ppm
BF 0.30 Hz
RGAIN 20



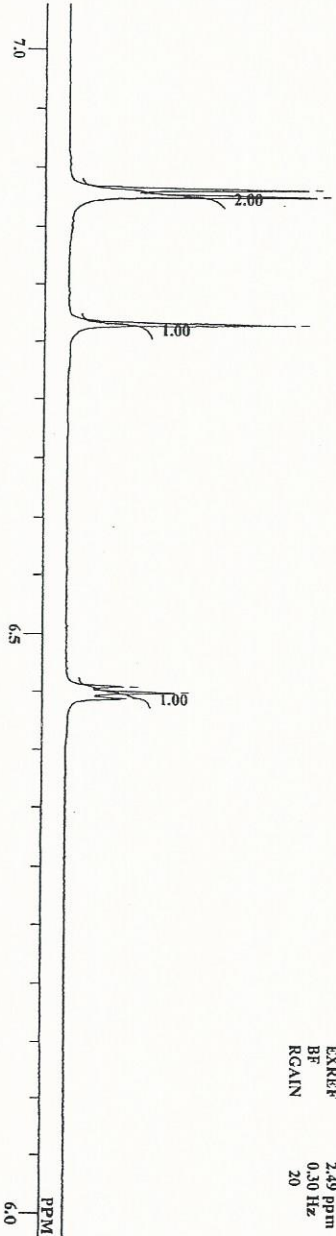
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Catalog No.: 19-868
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 Lot No.: 0507060

Analysed By: GBR
 1H NMR DMSO-d6

6.881
 6.876
 6.765

6.454
 6.449
 6.444



ORNUC	1H
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	32768
FREQU	7992.01 Hz
SCANS	16
ACQTM	4.1001 sec
PD	2.0000 sec
PW1	5.50 usec
IRNUC	1H
CTEMP	-39.6 c
SLVNT	DMSO
EXREF	2.49 ppm
BF	0.30 Hz
RGAIN	20