



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: 19-923

Product Name: **2',3',4'-TRIHydroxyflavone**

Lot Number: 1402417

Chemical Formula: C₁₅H₁₀O₅

Molecular Weight: 270.25

Melting point: 260-263°C (dec)

Appearance: Dark yellow powder

Solubility: Soluble in DMSO

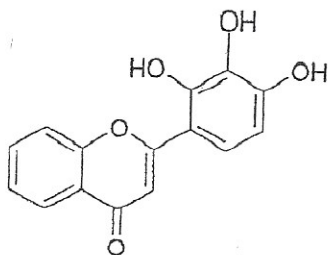
TLC: Hexane:Ethyl acetate (1:1)

Moisture content: 0.36%

NMR Spectrum: Enclosed (Conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 98.20%





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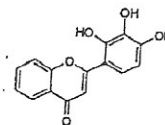
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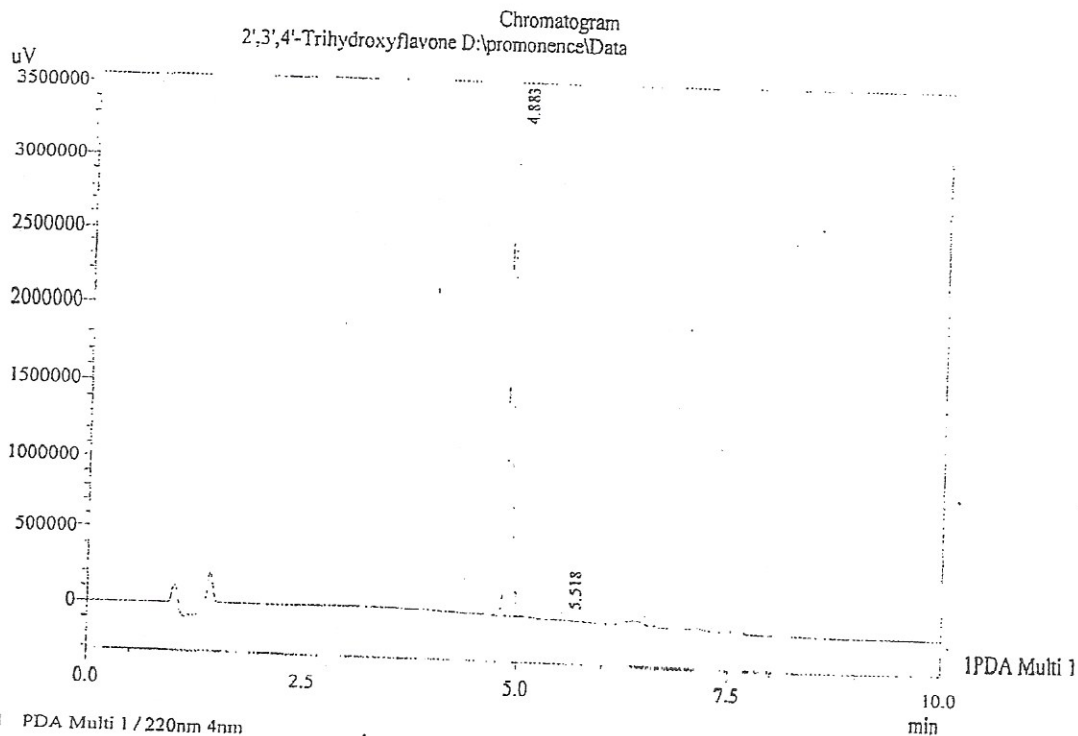
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 2',3',4'-Trihydroxyflavone
Sample ID : 8 gms Lot
Injection Volume : 20 uL
Data Filename : 240114L.lcd

Catalog No.: 19-923
Product Name: 2',3',4'-Trihydroxyflavone
Lot No.: 1402417



Column : Inertsil ODS-3V, (150mm x4.6mm 5.0μ)
Flow : 2.000 mL/min.
Mobile Phase : A(0.1% TFA in water) B(Acetonitrile)
0.01 85 15
6.0 5 95
8.0 5 95
10.0 85 15



1 PDA Multi 1 / 220nm 4nm

PDA Ch1 220nm 4nm

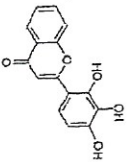
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	2',3',4'-Trihydroxy flavone	4.883	13407106	98.20	1.00
2	RT:5.518	5.518	245965	1.80	1.13
Total			13652670	100.00	

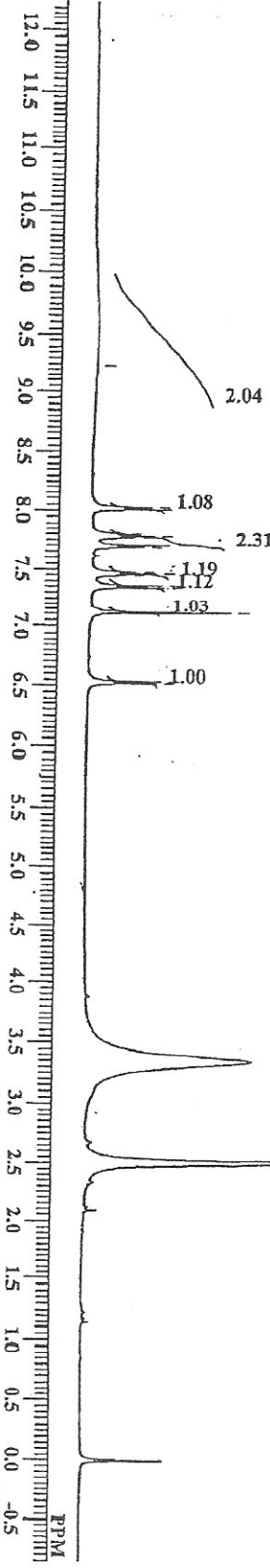


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 121 STRYKER LANE
 BLDG. 30, SUITE 1
 HILLSBOROUGH, NJ 08844

FLY-FINAL 1H NMR DMSO-d6
 Analysed By: MSR



- 9.240
- 8.026
- 8.007
- 7.804
- 7.786
- 7.768
- 7.702
- 7.682
- 7.479
- 7.461
- 7.442
- 7.362
- 7.340
- 7.116
- 6.541
- 6.519

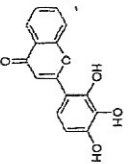


DFILE FLY-FINAL.a1s
 COMMENT FLY-FINAL 1H NMR DMSO-d6
 OBNUC 1H
 EXMOD NON
 OBRRO 399.65 MHz
 OBSET 124.00 KHz
 OBRIN 10500.00 Hz
 POINT 65536
 FREQU 7992.01 Hz
 SCANS 16
 ACQTM 8.2002 sec
 PD 3.0000 sec
 PW1 5.80 usec
 IRNUC 1H
 CTEMP 21.9 c
 STVNT DMSO
 EXREF 0.00 ppm
 BF 0.30 Hz
 RGAIN 18

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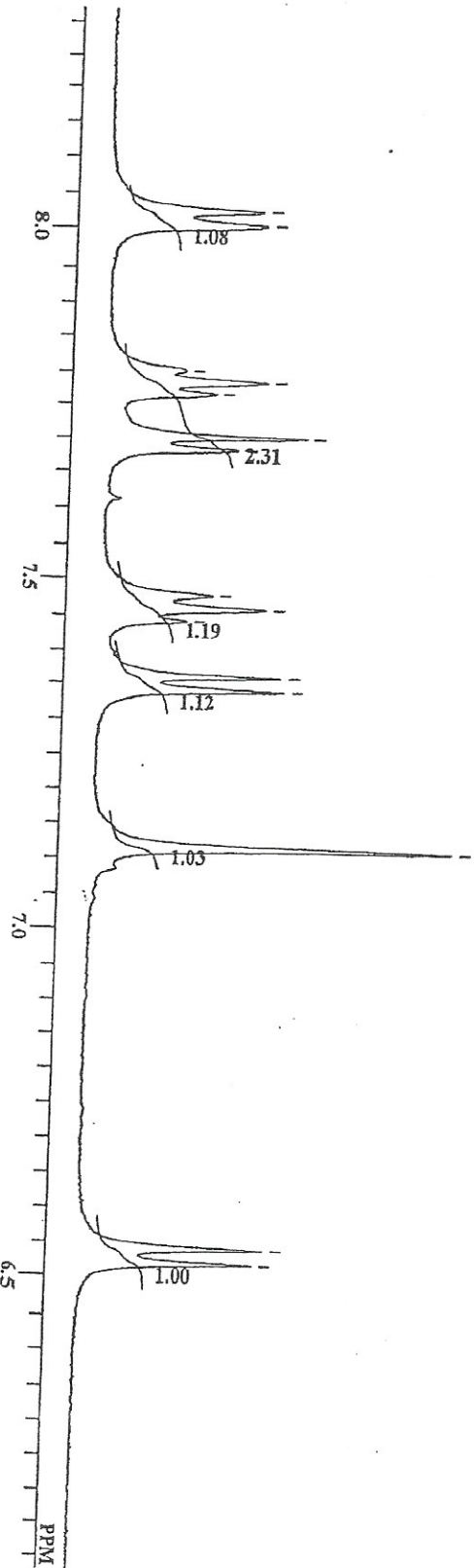
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Catalog No.: 19-923
 Product Name: 2',3',4'-Trihydroxyflavone
 Lot No.: 1402417

FLV-FINAL 1H NMR DMSO-d6
 Analysed By : MSR

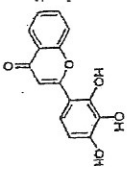
8.026	8.007	7.804	7.786	7.768	7.702	7.682	7.479	7.461	7.442	7.362	7.340	7.116	6.541	6.519
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DRFILE	FLV-FINAL.als
COMNT	FLV-FINAL 1H NMR DMSO.
OBNUC	1H
EXMOD	NON
OBFRQ	399.65 MHz
OBSEF	124.00 KHz
OBFIN	10500.00 Hz
POINT	65536
FREQU	7992.01 Hz
SCANS	16
ACQTM	8.2002 sec
PD	3.0000 sec
PW1	5.80 usec
IRNUC	1H
CTEMP	21.9 c
SLVNT	DMSO
EXREF	0.00 ppm
BR	0.30 Hz
RGAIN	18



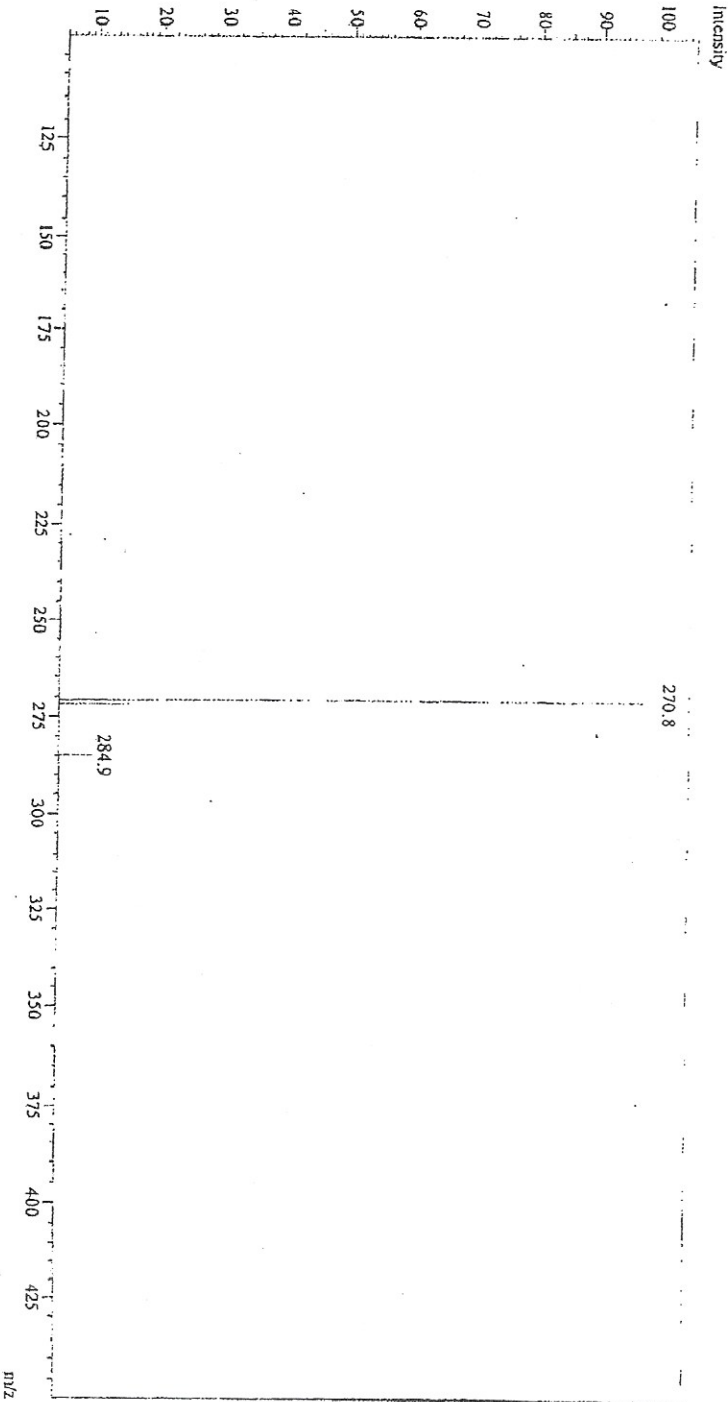
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Sample Information
Sample Name : FLV-FINAL
Batch No :
Data File : FLV-FINAL-01.lcd
Method File : Test1 (ESI).htm
Acquired by : KK/ran
Date Acquired : 1/28/2014 11:11:53

Probe : ESI
Polarity: Pos

M/S Spectrum Graph



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