



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: H-411

Product Name: **4'-HYDROXYFLAVONE**

CAS Number: [4143-63-9]

Lot Number: 1406469

Chemical Formula: C₁₅H₁₀O₃

Molecular Weight: 238.24

Melting Point: 271-274°C

Appearance: Off white to pale cream powder

TLC: Hexane: Ethyl acetate (7:3)

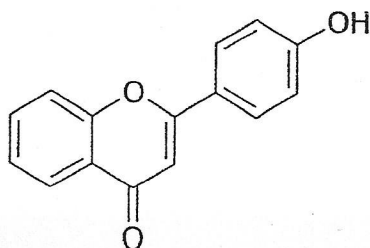
Solubility: Soluble in DMSO

Moisture(KF): 0.4%

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 98.60%





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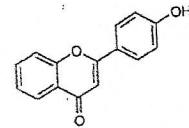
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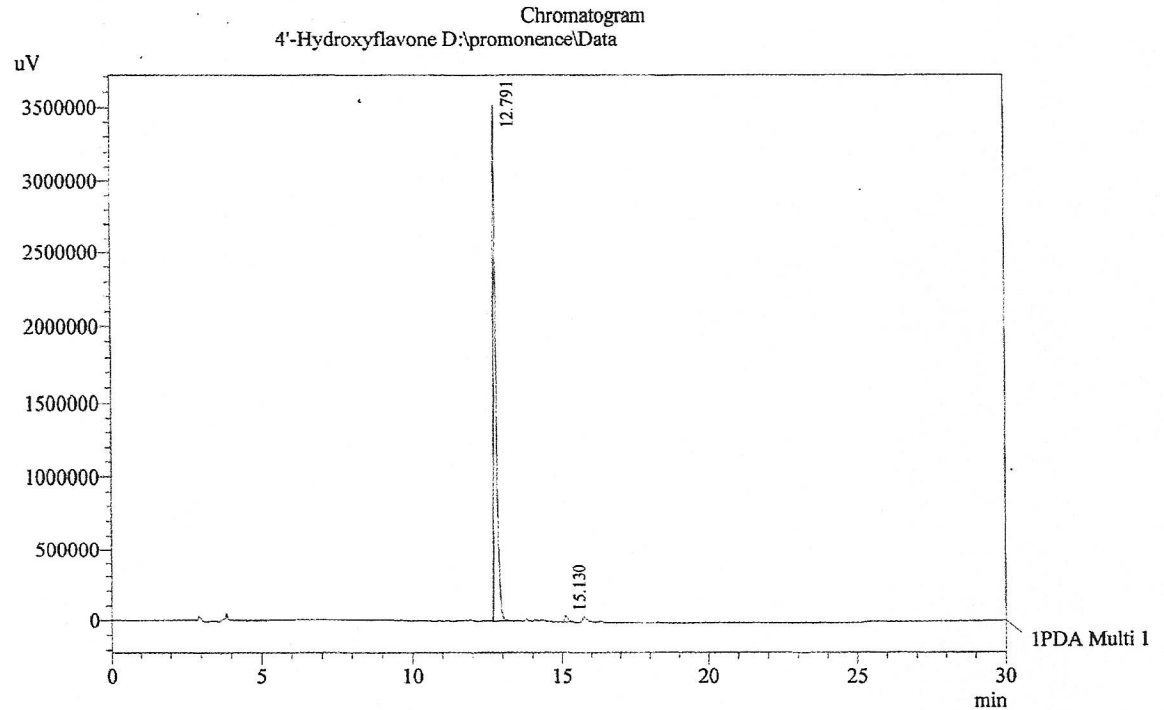
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 4'-Hydroxyflavone
Sample ID : 1.0 Kg Lot
Injection Volume : 20 uL
Data Filename : 040614B.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: H-411
Product Name: 4'-Hydroxyflavone
Lot No.: 1406469



Column : Gemini-C18 (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



1 PDA Multi 1 / 230nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	4'-Hydroxyflavone	12.791	21306045	98.60	1.00
2	RT:15.130	15.130	302277	1.40	1.18
Total			21608322	100.00	



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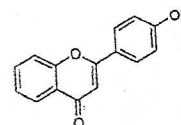
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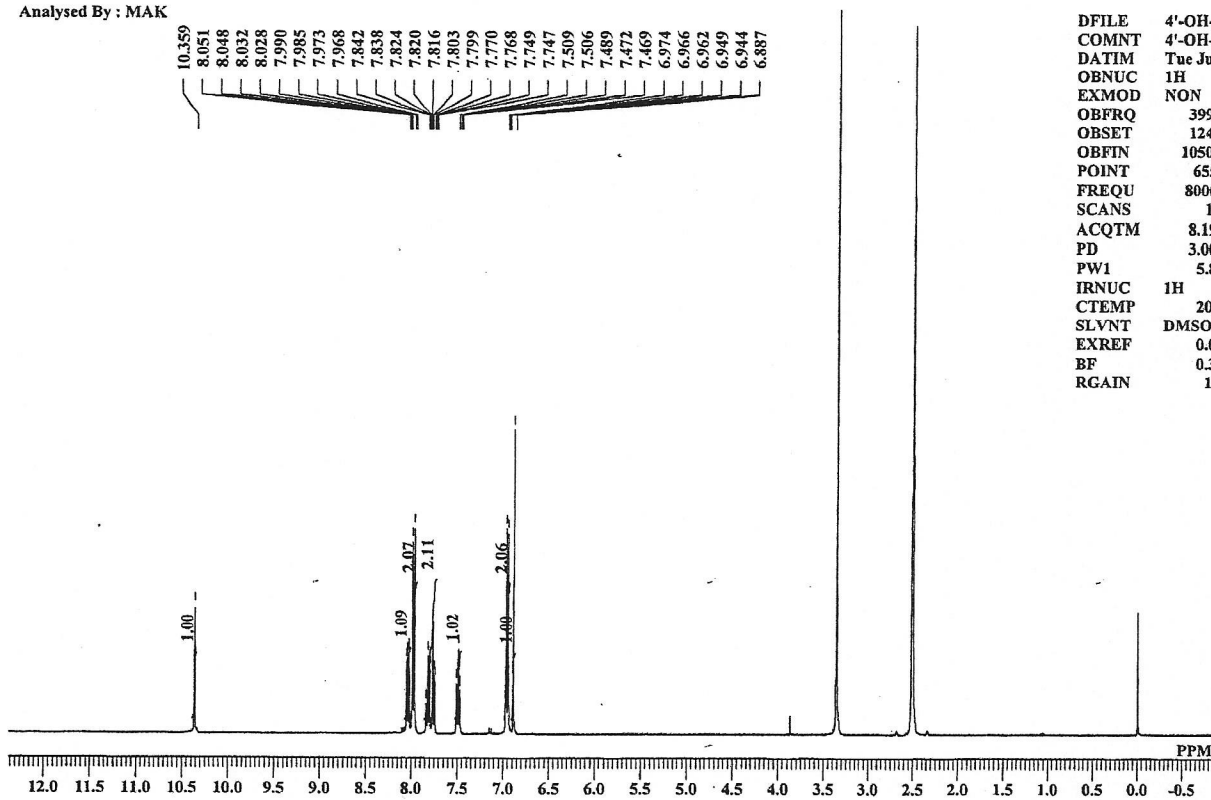
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Catalog No.: H-411
Product Name: 4'-Hydroxyflavone
Lot No.: 1406469



4'-OH-FLV-FINAL 1H NMR DMSO-d6

Analysed By : MAK



DFILE 4'-OH-FLV-FINAL 1H.als
COMNT 4'-OH-FLV-FINAL 1H NMR DA
DATIM Tue Jun 03 18:02:59 2014
OBNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 65536
FREQU 8000.00 Hz
SCANS 16
ACQTM 8.1920 sec
PD 3.0000 sec
PW1 5.80 usec
IRNUC 1H
CTEMP 20.6 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 18



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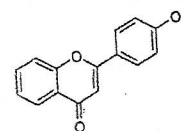
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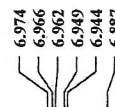
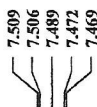
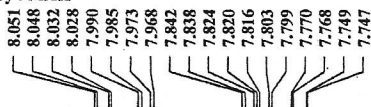
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Product Name: 4'-Hydroxyflavone
Lot No.: 1406469



4'-OH-FLV-FINAL 1H NMR DMSO-d6

Analysed By : MAK



DFILE	4'-OH-FLV-FINAL 1H.als
COMNT	4'-OH-FLV-FINAL 1H NMR DA
DATIM	Tue Jun 03 18:02:59 2014
OBNUC	1H
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	65536
FREQU	8000.00 Hz
SCANS	16
ACQTM	8.1920 sec
PD	3.0000 sec
PW1	5.80 usec
IRNUC	1H
CTEMP	20.6 c
SLVNT	DMSO
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	18

