



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: 021010

Product Name: **5,7-DIMETHOXYFLAVONE**
(Methylated Chrysin; Chrysin dimethyl ether)

CAS No.: [21392-57-4]

Lot Number: 1307355

Molecular Formula: C₁₇H₁₄O₄

Molecular Weight: 282.30

Melting Point: 151-153°C

Appearance: Off white powder

TLC: Chloroform : Methanol (9.5:0.5)

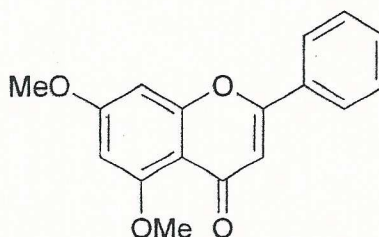
Solubility: Soluble in Chloroform

Moisture(KF): 0.35%

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Store in a cool, dry place

Purity (HPLC): 99.80%



Expiration Date: July 2018



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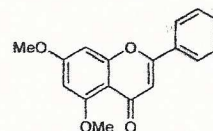
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : Methylated Chrysin
Sample ID : 5.0Kg Lot
Injection Volume : 20 uL
Data Filename : 120713A.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 021010
Product Name: 5,7-Dimethoxyflavone
(Methylated Chrysin)
Lot No.: 1307355

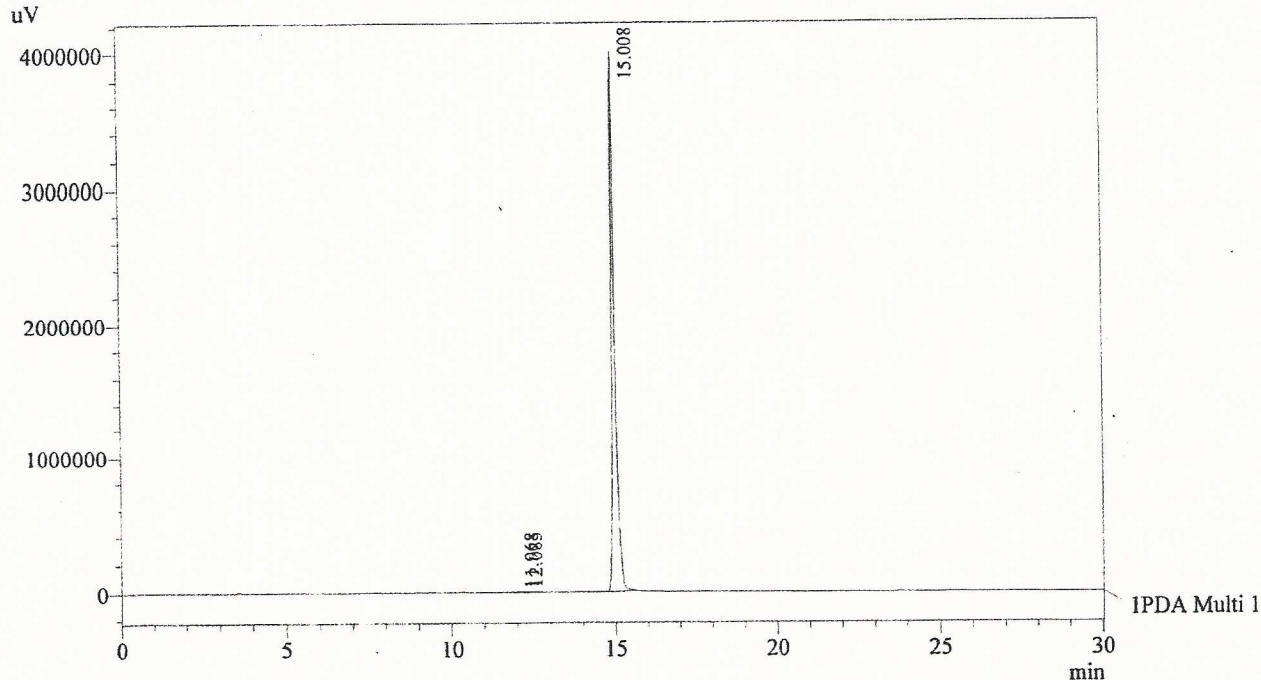
Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)
Flow : 1.000 mL/min.
Mobile Phase : A(0.05% TFA in water) B(Acetonitrile)
0.01 90 10
12.0 10 90
20.0 10 90
23.0 90 10
30.0 90 10

Diluent : Acetonitrile



Chromatogram

Methylated Chrysin D:\promonence\Data\2013\July-2013\120713A.lcd



1 PDA Multi 1 / 254nm 4nm

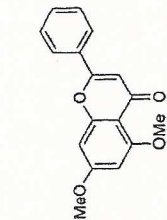
PeakTable

PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.968	11.968	7799	0.03	0.80
2	RT:12.085	12.085	52877	0.17	0.81
3	Methylated Chrysin	15.008	30339093	99.80	1.00
Total			30399770	100.00	

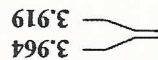
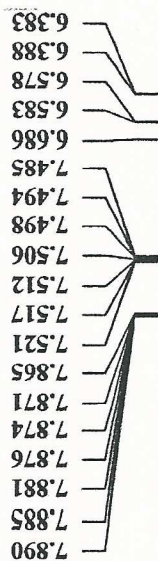


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Catalog No.: 021010
Product Name: 5,7-Dimethoxyflavone
(Methylated Chrysin)
Lot No.: 1307355

p-CHR 1H NMR CDCI3
Analyzed By : MSR



6.21

3.10

2.07

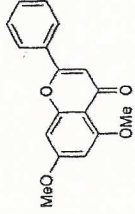
0.99
1.00
1.00

DFILE Me-CHR 1H.als
COMNT Me-CHR 1H NMR CDCI3
DATIM Fri Jul 12 23:19:56 2013
OBNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 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 24.0 c
SLVNT CDCL3
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 20



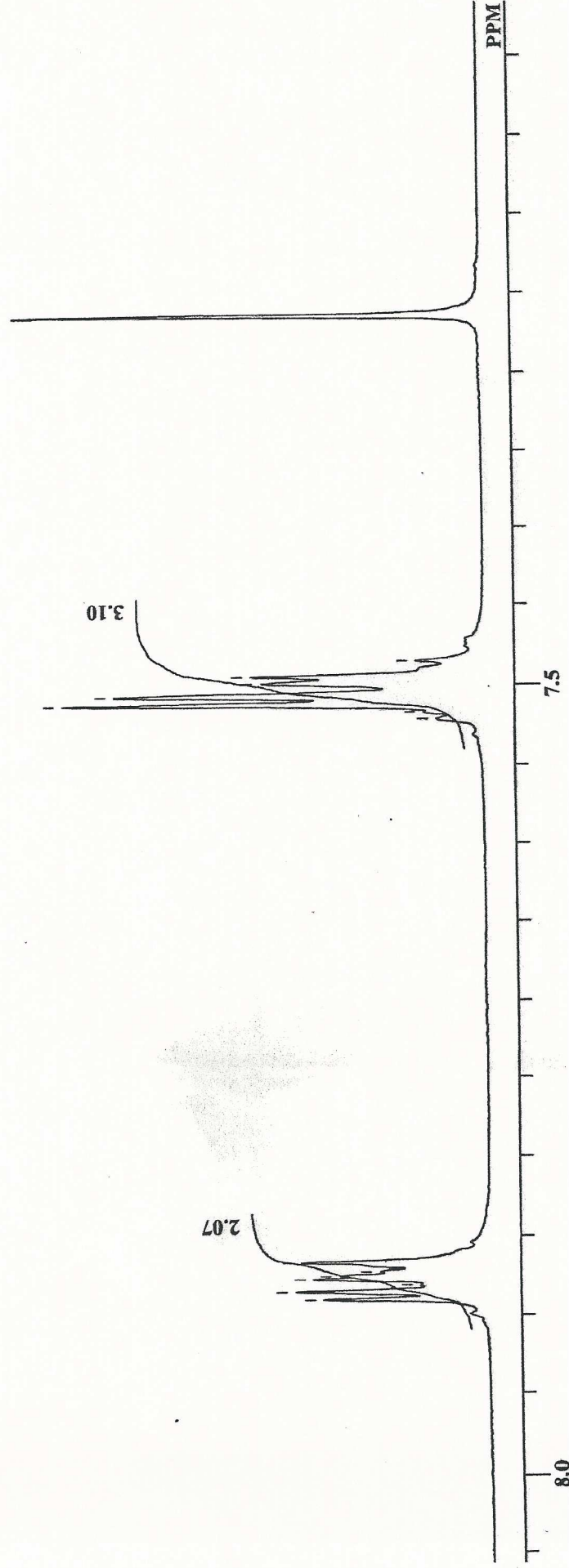
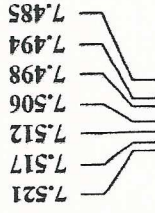
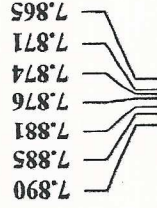


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Lot No.: 1307355

5-CHR 1H NMR CDCI3
analysed By: MSR



DFILE	Me-CHR 1H.als
COMNT	Me-CHR 1H NMR CDC
DATIM	Fri Jul 12 23:19:56 2013
OBNUC	1H
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	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	24.0 c
SLVNT	CDCL3
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	20

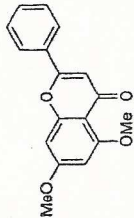


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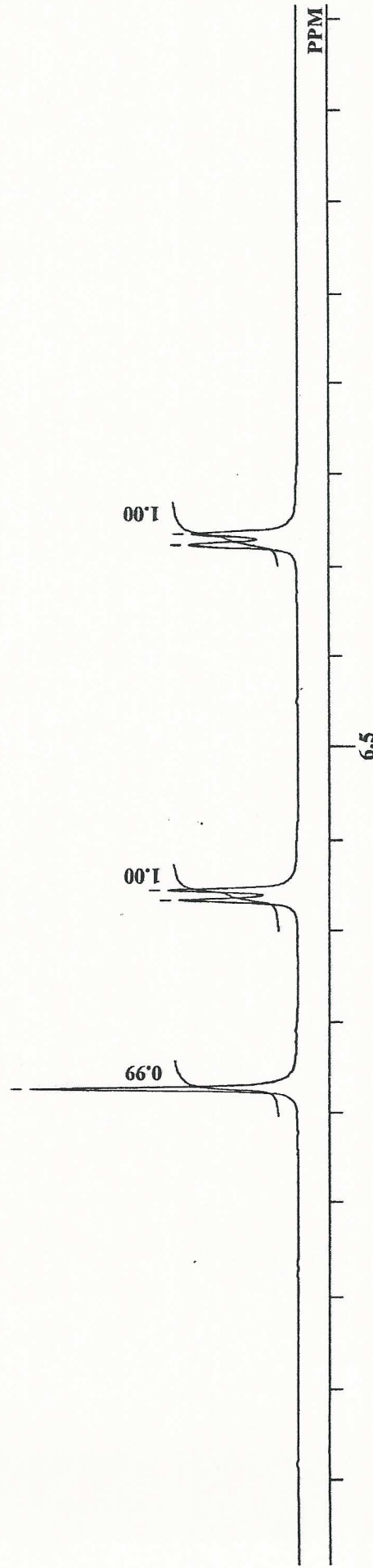
5-CHR 1H NMR CDC13

alysed By : MSR



Me-CHR 1H.als
Me-CHR 1H NMR CDC13
Fri Jul 12 23:19:56 2013
1H
NON
399.65 MHz
124.00 KHz
10500.00 Hz
65536
7992.01 Hz
16
8.2002 sec
3.0000 sec
5.80 usec
1H
24.0 c
CDCL3
0.00 ppm
0.30 Hz
20

DFILE
COMNT
DATIM
OBNUC
EXMOD
OBFRO
OBSET
OBFIN
POINT
FREQU
SCANS
ACQTM
PD
PW1
IRNUC
CTEMP
SLVNT
EXREF
BF
RGAIN



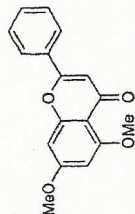


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¹H NMR CDCl₃

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DFILE Me-CHR 1H.als
COMNT Me-CHR 1H NMR CDCl₃
DATIM Fri Jul 12 23:19:56 2013
OBNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 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 24.0 c
SLVNT CDCl₃
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 20

3.919

3.964

6.21

