



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

Cat No.: 19-783

Product: **7-METHOXY-8-METHYLISOFLAVONE**

Lot Number: 0407177

Molecular Formula: $C_{17}H_{14}O_3$

Molecular Weight: 266.30

Melting Point: 135-137°C

Appearance: White crystalline powder

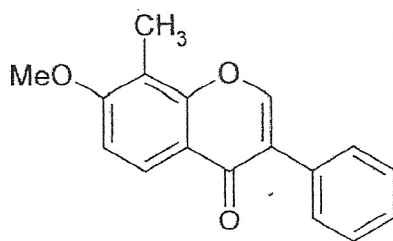
TLC: Hexane:Ethyl acetate (7:3)

Solubility: Clear solution in Chloroform

NMR Spectrum: Enclosed

Purity: 99.59%

Storage: Cool dry place





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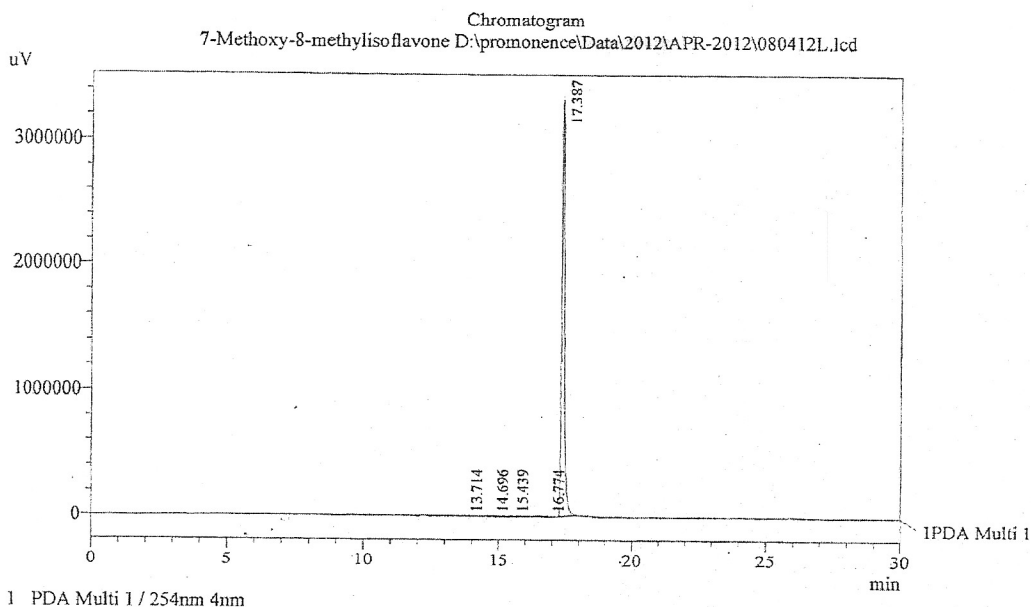
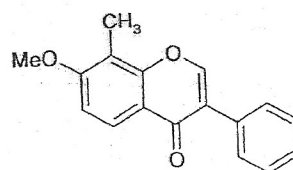
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 7-Methoxy-8-methylisoflavone
Sample ID : Lot No:-0407177
Injection Volume : 20 uL
Data Filename : 080412L.lcd
Method Filename : Linear Gradient.M.lcm
Report Filename : BIOSYN.lcr
Date Acquired : 4/8/2012 6:06:14 PM
Data Processed : 4/8/2012 6:42:04 PM
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

Catalog no.: 19-783

Product name: 7-Methoxy-8-methylisoflavone

Lot No.: 0407177



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:13.714	13.714	8955	0.03	0.79
2	RT:14.696	14.696	4772	0.02	0.85
3	RT:15.439	15.439	17292	0.07	0.89
4	RT:16.774	16.774	19387	0.07	0.96
5	RT:17.387	17.387	26211410	99.81	1.00
Total			26261816	100.00	



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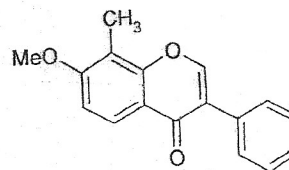
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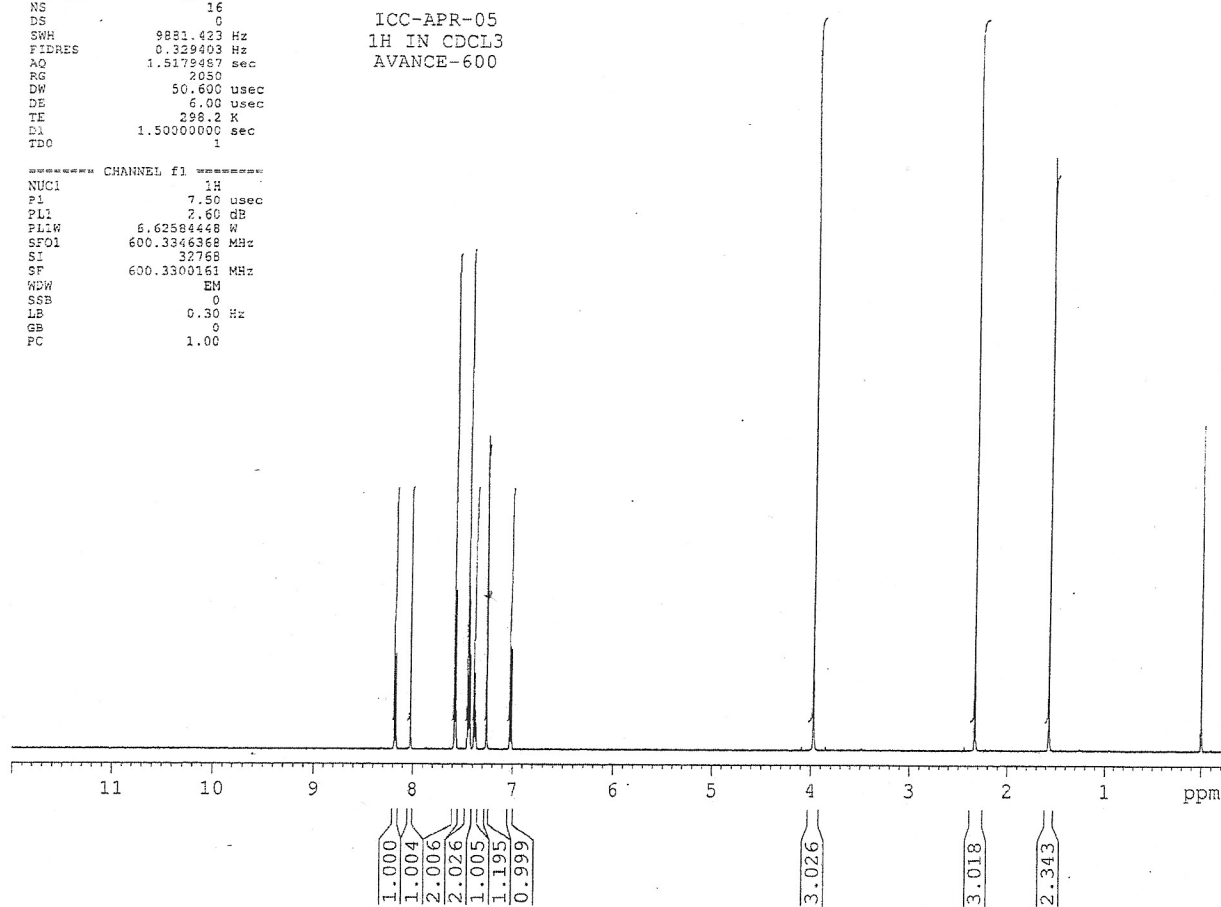
Lot No.: 0407177



SOLVENT CDCl₃
NS 16
DS 0
SWH 9881.423 Hz
FIDRES 0.329403 Hz
AQ 1.5179487 sec
RG 2050
DW 50.600 usec
DE 5.00 usec
TE 298.2 K
D1 1.50000000 sec
TDC 1

ICC-APR-05
1H IN CDCl₃
AVANCE-600

===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3346368 MHz
SI 32768
SF 600.3300161 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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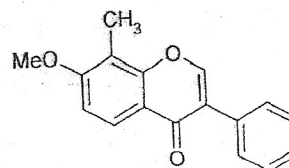
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SOLVENT CDC13
NS 16
DS 0
SWH 9881.423 Hz
FIDRES 0.329403 Hz
AQ 1.5179487 sec
RG 2050
DW 50.600 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

ICC-APR-05
1H IN CDCL3
AVANCE-600

===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62564448 W
SFO1 600.3346388 MHz
SI 32768
SF 600.3300161 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

