



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: 021298

Product Name: **7,4'-DIMETHOXY-5-HYDROXYISOFLAVONE**
(Genistein-4,7'-dimethyl ether)

CAS Number: [34086-51-6]

Lot Number: 1945

Chemical Formula: $C_{17}H_{14}O_5$

Molecular Weight: 298.29

Melting Point: 140-144°C

Appearance: White powder

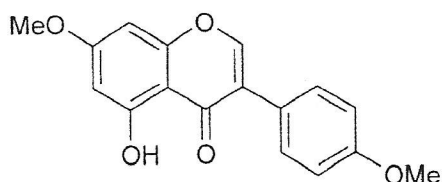
TLC: Hexane:Ethyl acetate (7:3)

Solubility: Soluble in chloroform

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.73%





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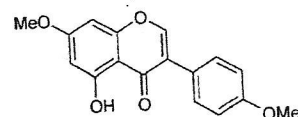
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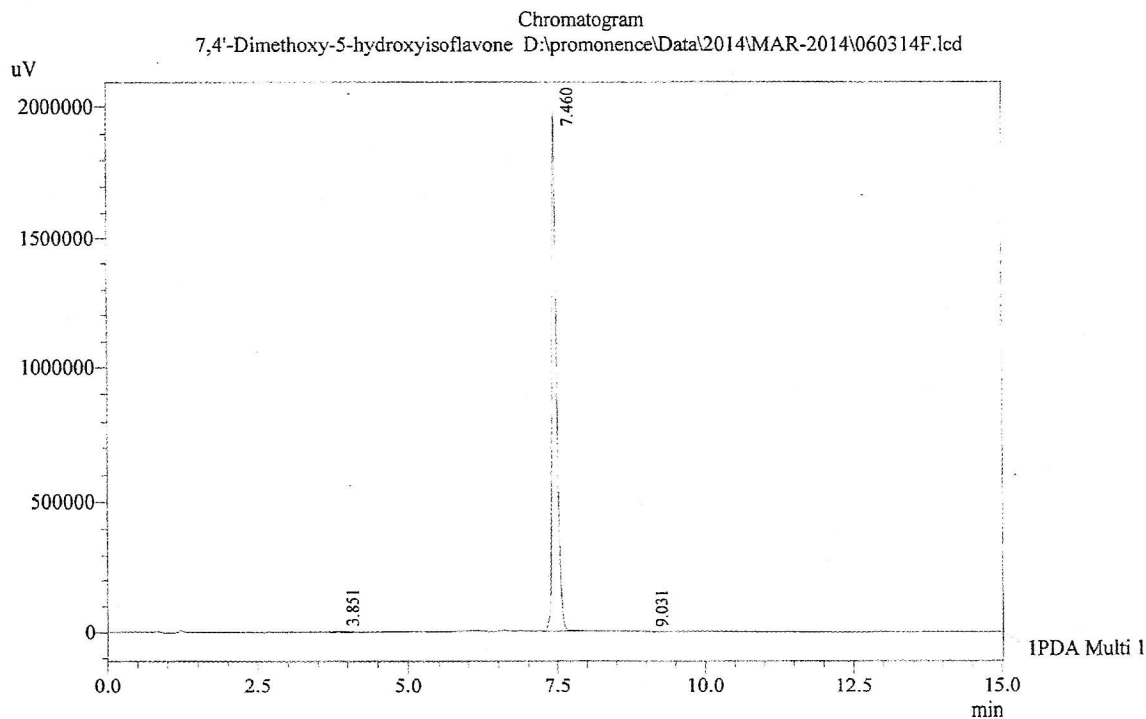
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 7,4'-Dimethoxy-5-hydroxyisoflavone
Sample ID : Lot No: 1945
Injection Volume : 20 uL
Data Filename : 060314F.lcd
Method Filename : Biosyn-II.lcm

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(Genistein-4,7'-dimethyl ether)
Lot No.: 1945



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
12.0 85 15
15.0 85 15
Diluent : Methanol



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:3.851	3.851	28821	0.26	0.52
2	7,4'-Dimethoxy-5-OH isofl	7.460	10906086	99.73	1.00
3	RT:9.031	9.031	1122	0.01	1.21
Total			10936029	100.00	



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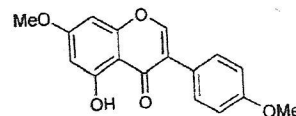
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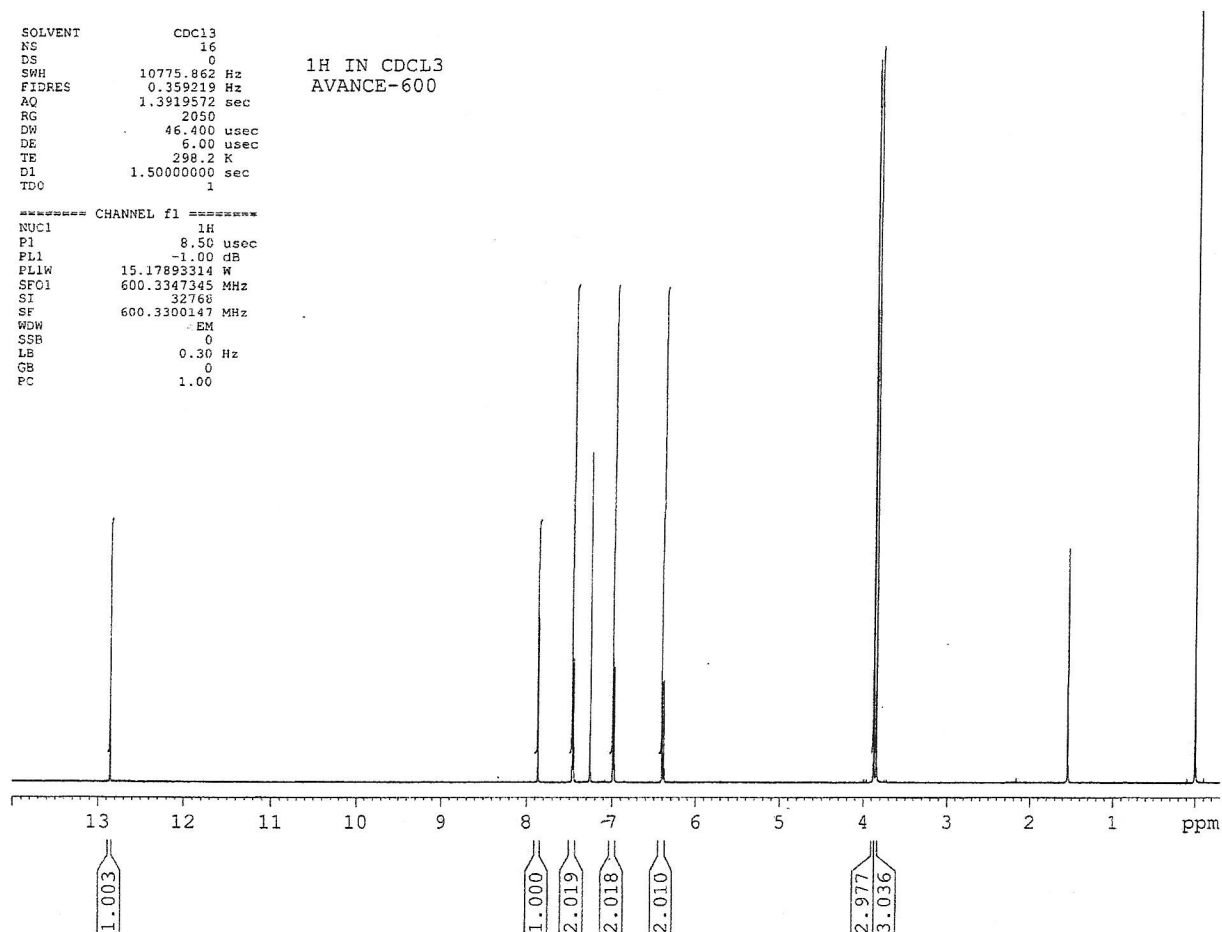
Lot No.: 1945



SOLVENT CDCL3
NS 16
DS 0
SWH 10775.862 Hz
FIDRES 0.359219 Hz
AQ 1.3919572 sec
RG 2050
DW 46.400 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

1H IN CDCL3
AVANCE-600

***** CHANNEL f1 *****
NUC1 1H
P1 8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SFO1 600.3347345 MHz
SI 32768
SF 600.3300147 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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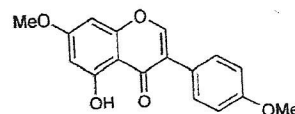
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SOLVENT CDCl₃
NS 16
DS 0
SWH 10775.862 Hz
FIDRES 0.359219 Hz
AQ 1.3919572 sec
RG 2050
DW 46.400 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

¹H IN CDCl₃
AVANCE-600

----- CHANNEL f1 -----
NUC1 ¹H
P1 -8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SFO1 600.3347345 MHz
SI 32768
SF 600.3300147 MHz
WDW EM
SSB 0
LE 0.30 Hz
CB 0
PC 1.00

