



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: 22-317

Product Name: **3',4'-DIMETHOXY-3-HYDROXY-6-METHYLFLAVONE**

Lot Number: 000450

Chemical Formula: C₁₈H₁₆O₅

Molecular Weight: 312.33

Melting Point: 199-201°C

Appearance: Light yellow powder

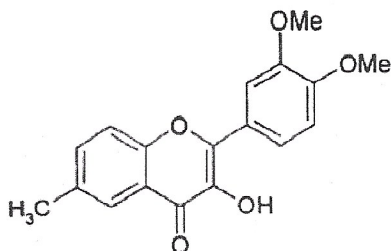
Solubility: Soluble in Chloroform

TLC: Chloroform : Methanol (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.55%





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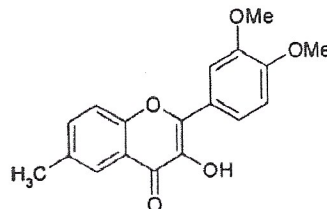
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HPLC ANALYSIS

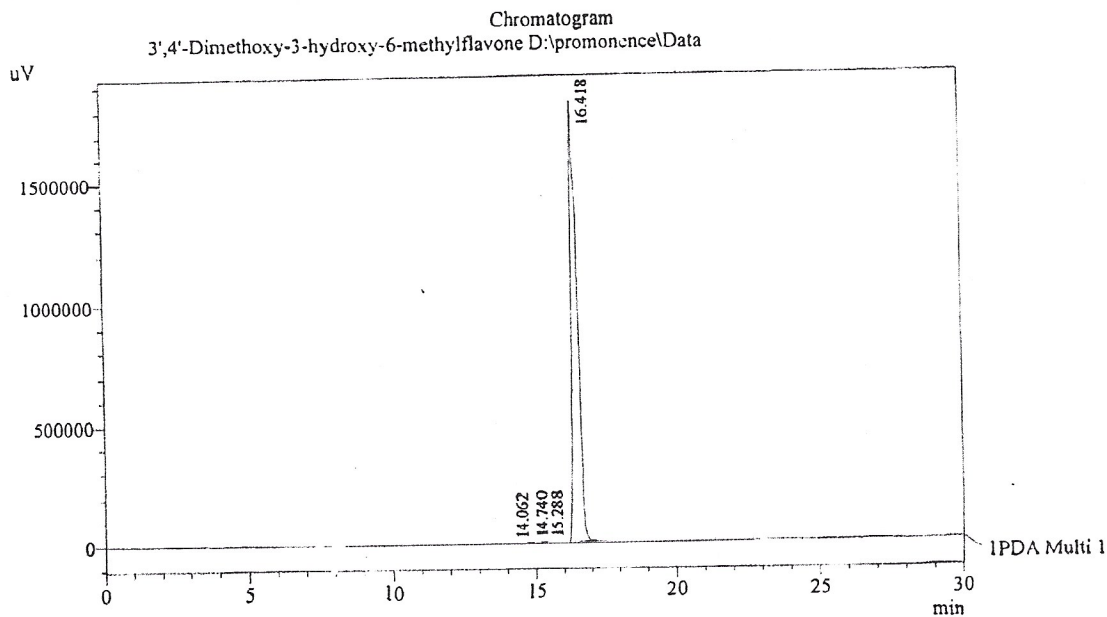
Acquired by : Sanjeev
 Sample Name : 3',4'-Dimethoxy-3-hydroxy-6-methylflavone
 Sample ID : Lot No : 000450
 Injection Volume : 20 uL
 Data Filename : 160513D.lcd
 Method Filename : Linear Gradient.M.lcm



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.: 22-317
 Product Name: 3',4'-Dimethoxy-3-hydroxy-6-methyl
 flavone
 Lot No.: 000450

Diluent : Acetonitrile



1 PDA Multi 1 / 254nm 4nm

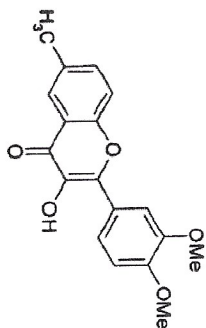
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:14.062	14.062	6396	0.02	0.86
2	RT:14.740	14.740	65007	0.24	0.90
3	RT:15.288	15.288	51834	0.19	0.93
4	RT:16.418	16.418	27179127	99.55	1.00
Total			27302364	100.00	



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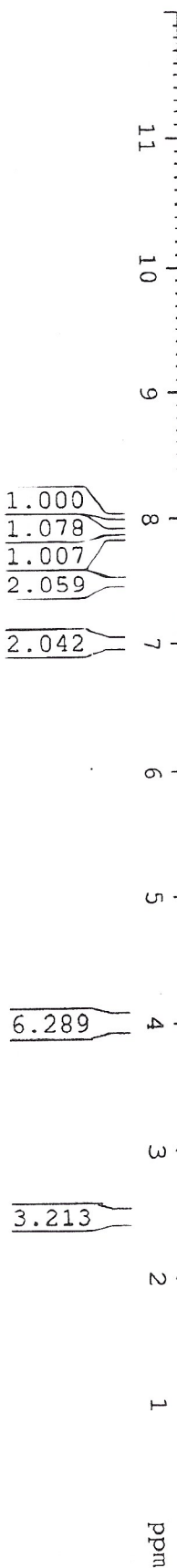
ICC-MAY-15
 1H IN CDCL3
 AVANCE-600



Catalog No.: 22-317
 Product Name: 3,4'-Dimethoxy-3-hydroxy-6-methyl
 Flavone
 Lot No.: 000450

SOLVENT CDCL3
 NS 16
 DS 0
 SMH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
 RG 40.3
 DM 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.5000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUCL 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.334528 MHz
 ST 32768
 SF 600.3300127 MHz
 MDW EM
 SSB 0
 LB 0.30 HZ
 GB 0
 PC 1.00



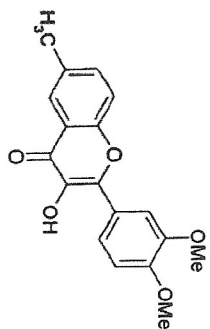


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flavone
Lot No.: 000450

ICC-MAY-15
1H IN CDCl3
AVANCE-600



SOLVENT	CDCl3
NS	16
DS	0
SMH	9803.922 Hz
FIDRES	0.326819 Hz
AQ	1.5299480 sec
RG	40.3
DN	51.000 usec
DE	6.00 usec
TE	298.2 K
D1	1.50000000 sec
TD0	1

===== CHANNEL f1 =====

NUC1	1H
P1	7.50 usec
PL1	2.60 dB
PL1W	6.62584448 W
SFO1	600.3345228 MHz
SI	32768
SE	600.3300127 MHz
RDN	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

