



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.: M-012

Product: 2'-METHOXYFLAVONE

CAS Number: [19725-47-4]

Lot Number: 1212277

Chemical Formula: C₁₆H₁₂O₃

Molecular Weight: 252.27

Melting Point: 101-103°C

Appearance: White color shining powder

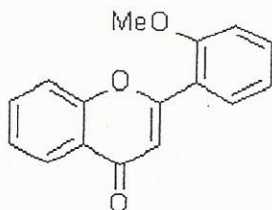
Solubility: Soluble in Chloroform

TLC: Hexane:Ethyl acetate (7:3)

NMR Spectrum: Enclosed

Storage: Cool, dry place

Purity(HPLC): 99.76%





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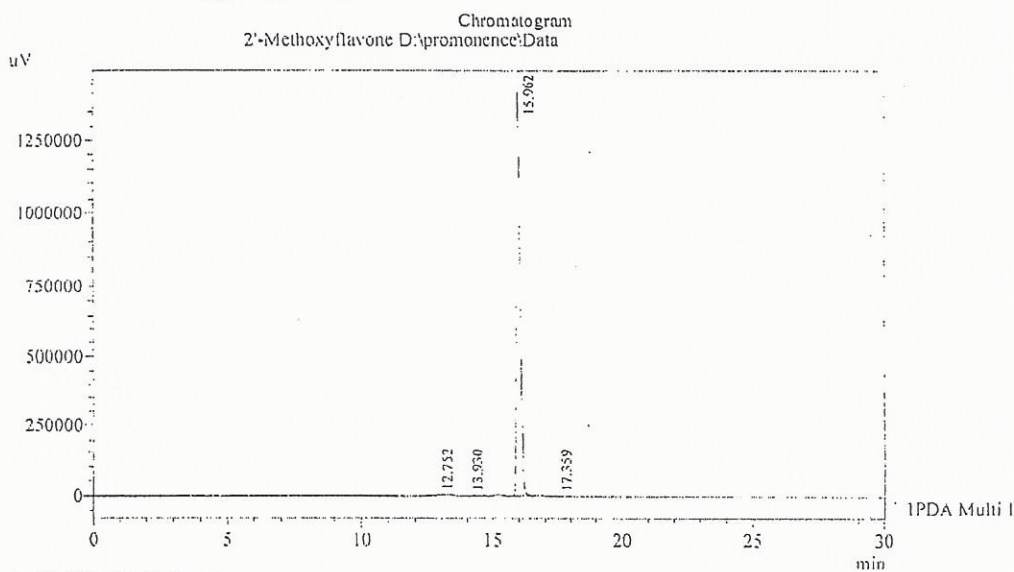
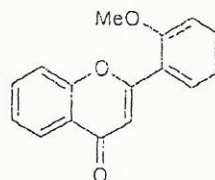
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HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 2'-Methoxyflavone
 Sample ID : 25 gms
 Injection Volume : 20 uL
 Data Filename : 300912111.ed
 Method Filename : Linear Gradient.M1cm

Catalog no.: M-012
 Product name: 2'-Methoxyflavone
 Lot No.: 1212277

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



PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.752	12.752	27515	0.18	0.80
2	RT:13.930	13.930	6515	0.04	0.87
3	2'-Methoxyflavone	15.962	15548286	99.76	1.00
4	RT:17.359	17.359	2596	0.02	1.09
Total			15584911	100.00	



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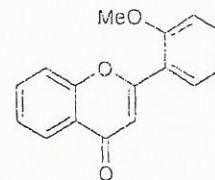
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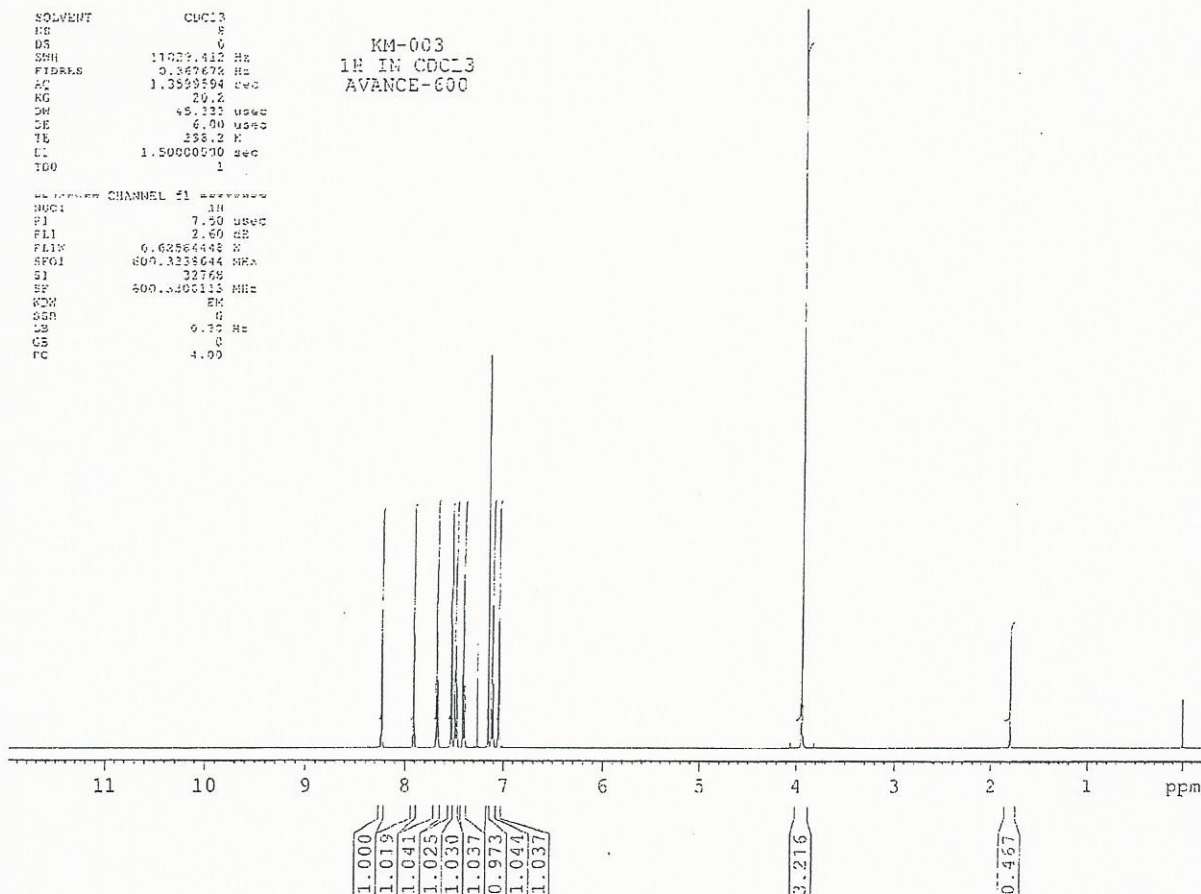
Catalog no.: M-012
Product name: 2'-Methoxyflavone
Lot No.: 1212277



SOLVENT CDCl3
IR 0
DS 0
SNN 11522.412 Hz
FIDRMS 0.342672 Hz
AQ 1.3522594 sec
RG 20.2
DW 45.232 usec
SE 8.90 usec
TE 298.2 K
LI 1.50000210 sec
T00 1

KM-003
1H IN CDCl3
AVANCE-600

===== CHANNEL #1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1X 0.62564448 X
SFO1 600.3238644 MHz
S1 32768
SF 600.3200113 MHz
WDW EM
SSB 0
LB 0.12 Hz
GB 0
PC 4.00





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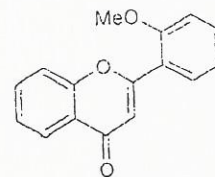
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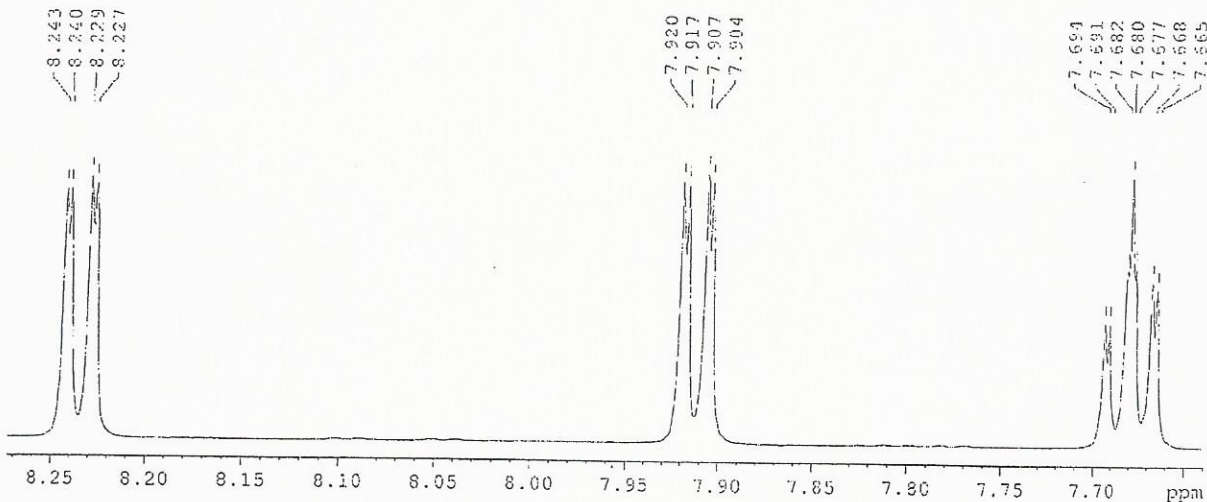
Catalog no.: M-012
Product name: 2'-Methoxyflavone
Lot No.: 1212277



COMVENT CDCL3
NS 0
DS 0
SMH 11029.412 Hz
FIDRES 0.367672 Hz
AQ 1.7599594 sec
RG 20.2
DN 45.133 usec
DE 6.00 usec
TE 298.2 K
DE 1.50000000 sec
TEO 1

KM-003
1H IN CDCL3
AVANCE-600

----- CHANNEL f1 -----
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PLN 6.62569448 W
SFO1 600.3398994 MHz
SI 32768
SF 600.3300113 MHz
WDW EM
SSB 0
FE 0.10 Hz
GB 0
PC 4.00





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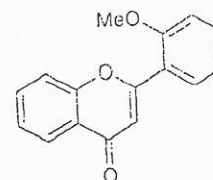
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SOLVENT CDCl₃
NS 8
FS 0
SMH 11025.415 Hz
FIDRES 0.267672 Hz
AQ 1.3189594 sec
RG 20.2
LW 45.333 usec
DE 6.00 usec
TE 295.2 K
G1 1.5000000 sec
TE0 1

KM-003
1H IN CDCl₃
AVANCE-600

CHANNEL F1
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 800.3338644 MHz
SI 32766
SF 600.3300113 MHz
NSR 0
SOL 0
LB 0.35 Hz
GB 0
PC 4.00

