



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: M-012

Product Name: **2'-METHOXYFLAVONE**

CAS Number: [19725-47-4]

Lot Number: 1702756

Chemical Formula: C₁₆H₁₂O₃

Molecular Weight: 252.27

Melting Point: 102-104°C

Appearance: Off-white powder

Solubility(color): Colorless

Solubility(turbidity)
(50 mg./ml CHCl₃) Clear

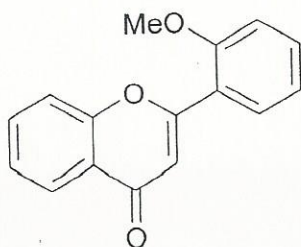
Moisture(KF): 0.31%

TLC: n-Hexane:Ethyl acetate (8:2)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.62%





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

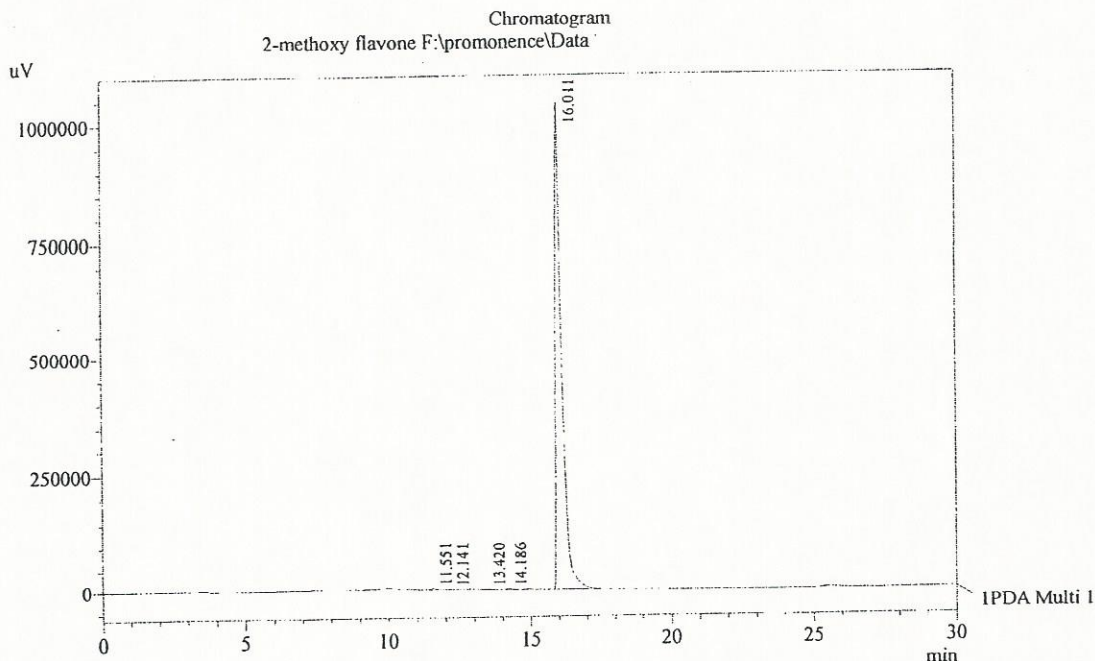
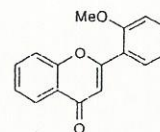
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Admin
 Sample Name : 2-methoxy flavone
 Sample ID : 100 gm
 Injection Volume : 1 uL
 Data Filename : 240117A.lcd
 Method Filename : Linear Gradient.M.lcm
 Report Filename : Default.lcr

Catalog No.: M-012
 Product Name: 2'-Methoxyflavone
 Lot No.: 1702756

Column : Inertsil-ODS 3V C-18, (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



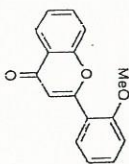
1 PDA Multi 1 / 240nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.551	11.551	20836	0.13	0.00
2	RT:12.141	12.141	5183	0.03	0.00
3	RT:13.420	13.420	9134	0.06	0.00
4	RT:14.186	14.186	26661	0.16	0.00
5	RT:16.011	16.011	16209156	99.62	0.00
Total			16270970	100.00	



INDOFINE Chemical Company, Inc
 121 STRYKER LANE
 BLDG. 30, SUITE 1
 HILLSBOROUGH, NJ 08844



Catalog No.: M-012
 Product Name: 2'-Methoxyflavone
 Lot No.: 1702756

proton-1-2.jdt

8.230
8.246
8.234
8.231
7.922
7.919
7.906
7.903
7.682
7.543
7.526
7.494
7.492
7.410
7.144
7.120
7.065
7.048

3.946

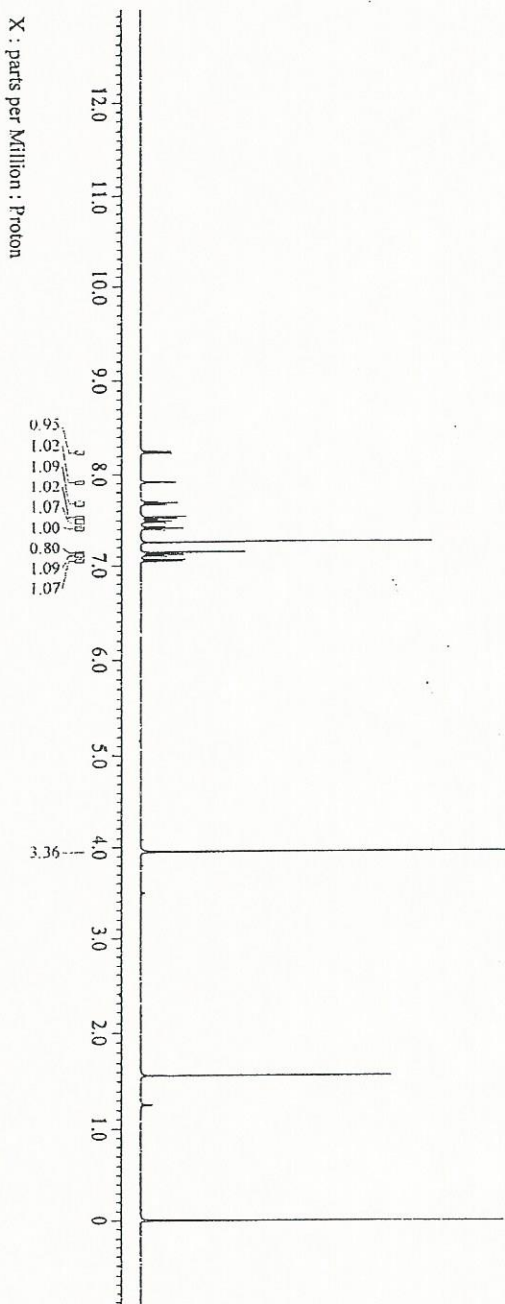


Solutions for Innovation

---- PROCESSING PARAMETERS ----
 exp (0.3184) 0.016]
 trapzoid (0.11) 0.18] 90.18] 100.18]
 zpad (11.11) 4]
 ffc (1. TRUB, TRUB)
 mechresponse
 ppm
 reference (-0.01363 [ppm], 0 [ppm])

Filename = #1009
 Instrument id = NMR-02
 Author = chr1218
 Reviewed by = GRV
 Solvent = CHLOROFORM-D
 Spectrometer = JNM-ECS300R/61
 Experiment = proton.jxp

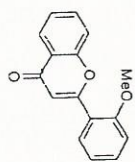
Acquisition Parameters
 X Domain = 1H
 X Offset = 7.01 [ppm]
 X Sweep = 11.28158845 [kHz]
 scans = 64
 Relaxation_Delay = 2 [s]



X : parts per Million : Proton



INDOFINE Chemical Company, Inc.
 121 STRYKER LANE
 BLDG. 30, SUITE 1
 HILLSBOROUGH, NJ 08844



Catalog No.: M-012
 Product Name: 2-Methoxyflavone
 Lot No.: 1702756

_proton-1-2.jdf

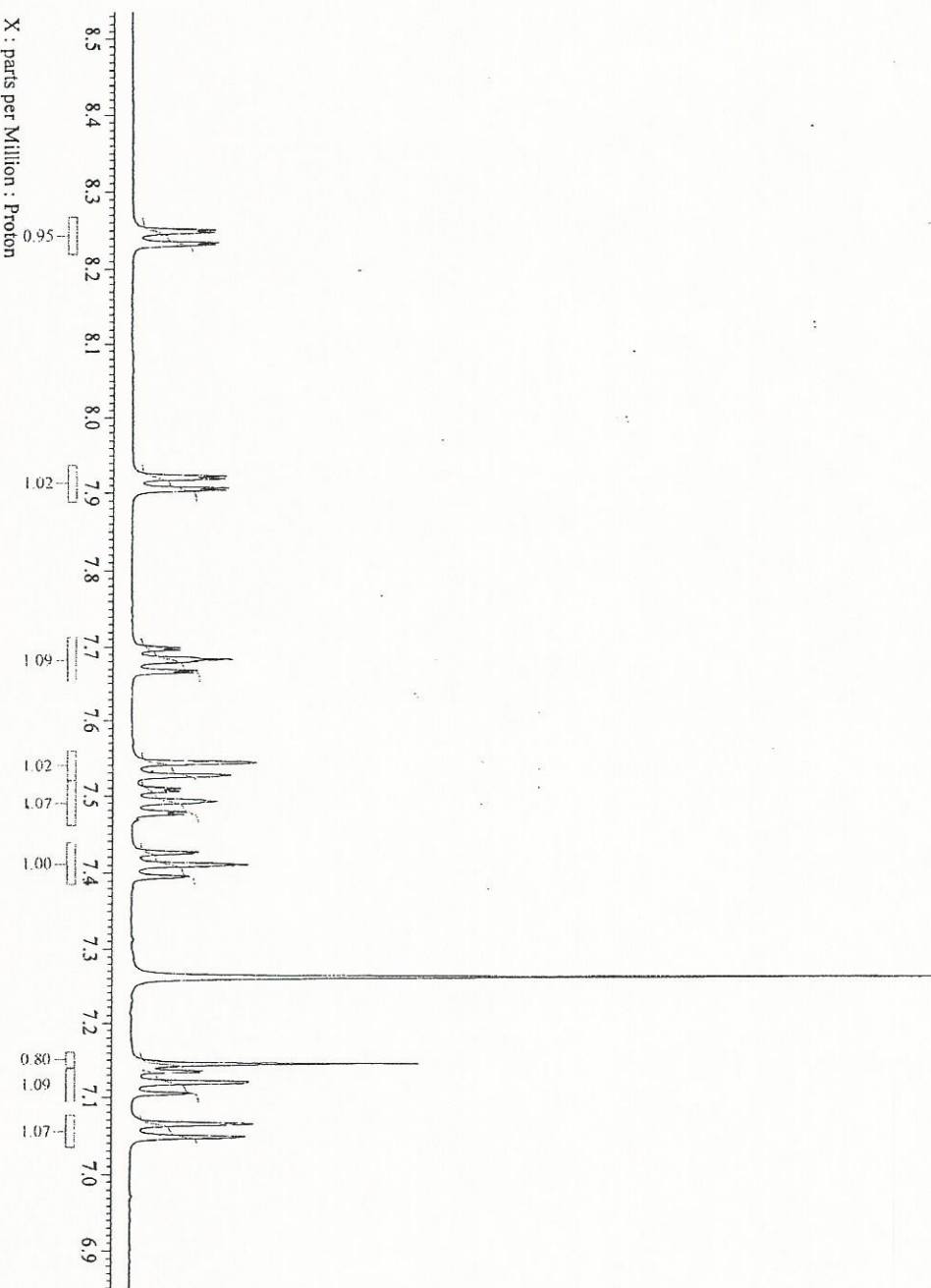
8.250
8.246
8.234
8.231

7.922
7.919
7.906
7.903

7.700
7.696
7.685
7.682
7.680
7.669
7.665

7.543
7.526
7.494
7.492
7.478
7.426
7.424
7.410

7.144
7.136
7.134
7.120
7.106
7.104
7.065
7.048



----- PROCESSING PARAMETERS -----
 exp(0.3(Hz), 0.0(s))
 trapzoid(0(s), 0(s), 80(s), 100(s))
 zerofill(4)
 fft(1, TRUE, TRUE)
 machinphase
 ppm
 reference(-0.01363(ppm), 0(ppm))

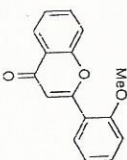


File Name = #100g
 Instrument Id = NMR-02
 Author = chr1218
 Acquired by = GRT
 Solvent = CDCl3
 Spectrometer = JNM-ECS500R/S1
 Experiment = proton.jxp

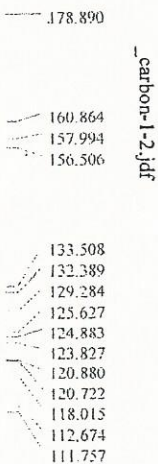
Acquisition Parameter
 X_Domain = 1H
 X_Offset = 7.0(ppm)
 X_Sweep = 11.28158845(KHz)
 Scans = 64
 Relaxation_Delay = 2(s)



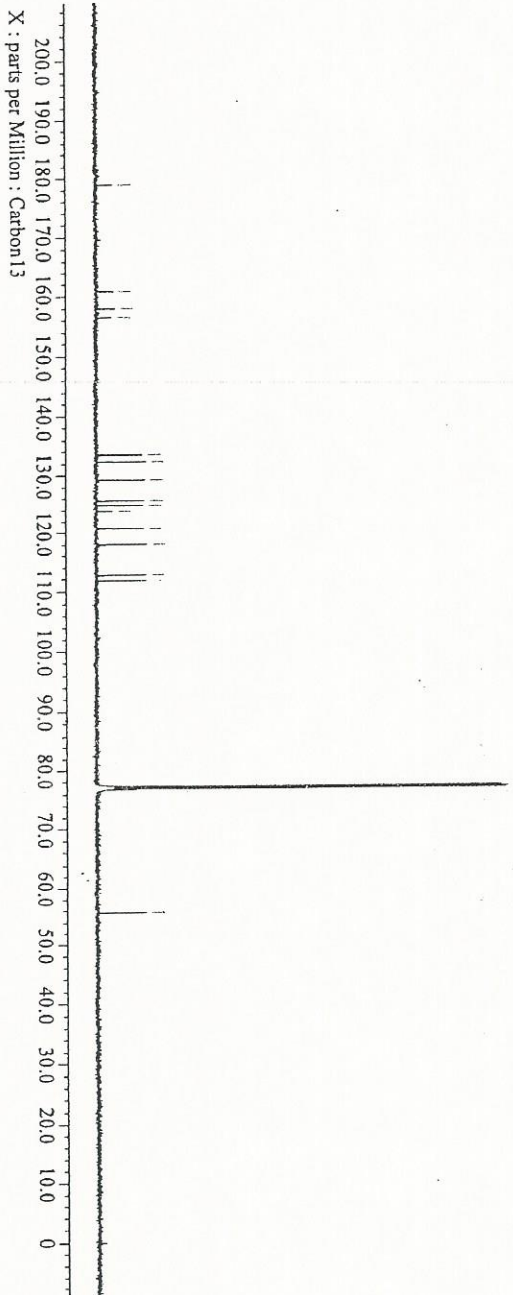
INDOFINE Chemical Company, Inc.
 121 STRYKER LANE
 BLDG. 30, SUITE 1
 HILLSBOROUGH, NJ 08844



Catalog No.: M-012
 Product Name: 2-Methoxyflavone
 Lot No.: 1702756



55.672



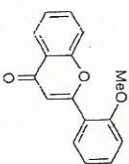
----- PROCESSING PARAMETERS -----
 exp(3.01Hz, 0.01s)
 trapzoid(0[s], 0[s], 80[s], 100[s])
 zerofill(2)
 ffc(1, TRUE, TRUE)
 machinphase
 ppm
 auto_reference(5[s], TRUE)



File Name = 2-MF1100g
 Instrument Id = NMR-02
 Author = GP1243
 Relaxed by = GY
 Solvent = CDCl3
 Spectrometer = JNM-ECZ500R-D
 Experiment = carbon-1p
 Acquisition Parameter
 X_Domain = 13C
 X_Offset = 100 [ppm]
 X_Sweep = 39.5596203 [kHz]
 Scan = 514
 Relaxation_Delay = 2[s]



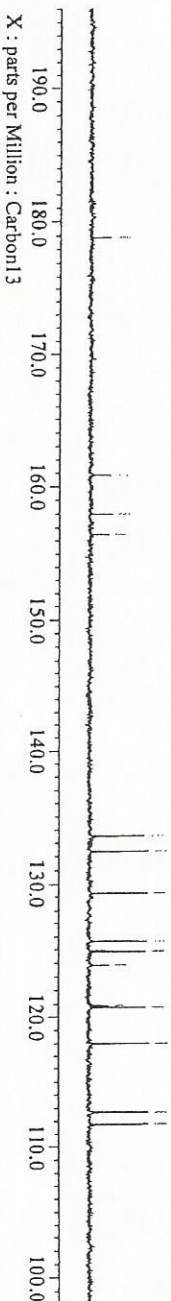
INDOFINE Chemical Company, Inc.
 121 STRYKER LANE
 BLDG. 30, SUITE 1
 HILLSBOROUGH, NJ 08844



Catalog No.: M-012
 Product Name: 2-Methoxyflavone
 Lot No.: 1702756

carbon-1-2.jdt

178.890
160.864
157.994
156.506
133.508
132.389
129.284
125.627
124.883
123.827
120.880
120.722
118.015
112.674
111.757



JEOL
 Suffixes for Inverters

```

---- PROCESSING PARAMETERS ----
sweep ( 3.01Hz, 0.01s )
trapzoid ( 0[1], 0[1], 80[1], 100[1] )
zerofill ( 2 )
fcl ( 1, TRUE, TRUE )
machinphase
ppm
auto_reference ( 5[1], TRUE )
  
```

```

Filename = 2-ME#1100f
Instrument ID = NMR-02
Author = GPY1243
Reviewed by = GRV
Solvent = CHLOROFORM-D
Spectrometer = JNM-PCZ50NR/S1
Experiment = carbon_3fp

Acquisition Parameter
X_Domain = 13C
X_Offset = 100 [ppm]
X_Sweep = 39.5696203 [kHz]
Gain = 514
Relaxation_Delay = 21[s]
  
```