



# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

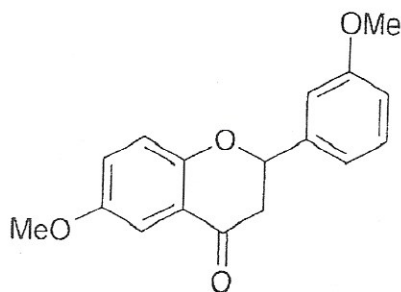
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	22-365
<u>Product Name:</u>	<b>6,3'-DIMETHOXYFLAVANONE</b>
<u>Lot Number:</u>	1611929
<u>Chemical Formula:</u>	$C_{17}H_{15}O_4$
<u>Molecular Weight:</u>	284.31
<u>Melting Point:</u>	120-122°C
<u>Appearance:</u>	Pale yellow powder
<u>Moisture(KF):</u>	0.33%
<u>Solubility:</u>	Soluble in Chloroform
<u>TLC:</u>	Hexane:Ethyl acetate (1:1)
<u>NMR Spectrum:</u>	Enclosed (conforms to the structure)
<u>Storage:</u>	Store in a cool, dry place
<u>Purity(HPLC):</u>	99.20%





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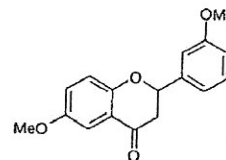
## HPLC ANALYSIS

Acquired by : Admin  
Sample Name : 6,3'-Dimethoxyflavanone

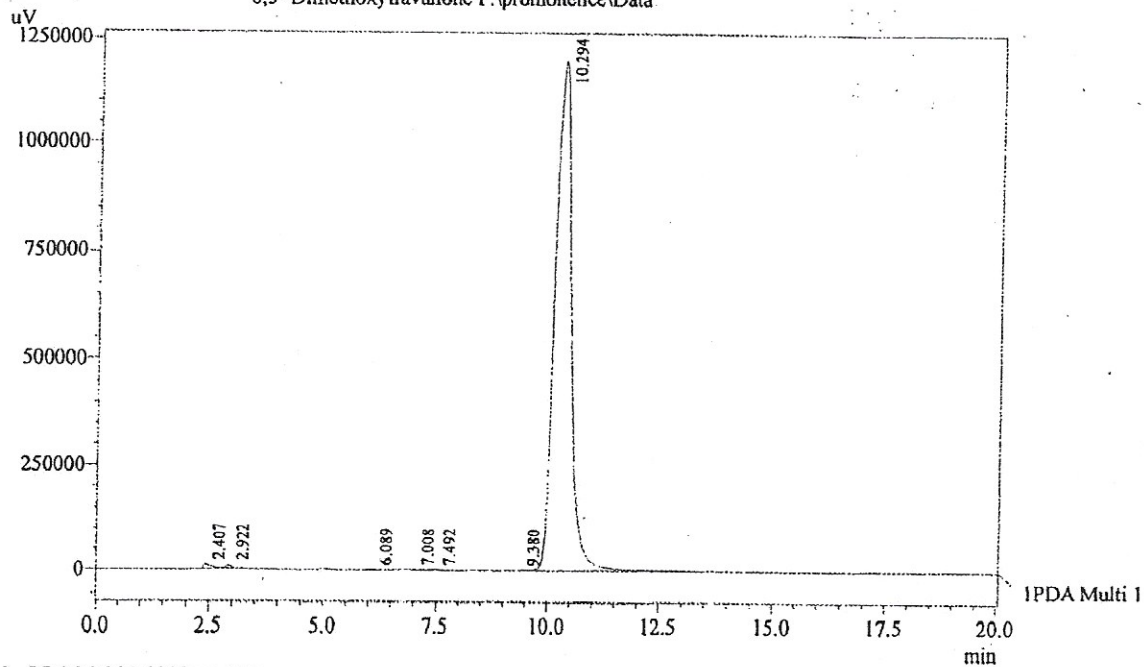
Catalog No.: 22-365  
Product Name: 6,3'-Dimethoxyflavanone  
Lot No.: 1611929

Injection Volume : 1 uL  
Data Filename : 170916G.lcd  
Method Filename : Isocratic Method.lcm  
Report Filename : Default.lcr

Column : Gemini C-18(2), (250mm x4.6mm 5.0μ)  
Flow : 1.000 mL/min.  
Mobile Phase : A(20% of 0.05% TFA in water) B(80% of Acetonitrile)



Chromatogram  
6,3'-Dimethoxyflavanone F:\promonence\Data



1 PDA Multi 1 / 230nm 4nm

PeakTable

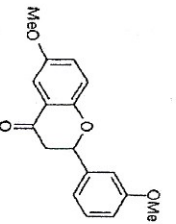
PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1		2.407	122917	0.39	0.00
2	RT:2.922	2.922	58244	0.18	0.00
3	RT:6.089	6.089	24134	0.08	0.00
4	RT:7.008	7.008	896	0.00	0.00
5	RT:7.492	7.492	26556	0.08	0.00
6	RT:9.380	9.380	20599	0.07	0.00
7	RT:10.294	10.294	31291922	99.20	0.00
Total			31545268	100.00	





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6,3-DMF A\_RC\_proton-1-2.jdf

5.242  
5.238

3.998  
3.986  
3.976  
3.970  
3.964  
3.948  
3.808  
3.757  
3.748  
3.685  
3.469  
3.461  
3.458  
3.286  
3.282  
3.266  
3.260

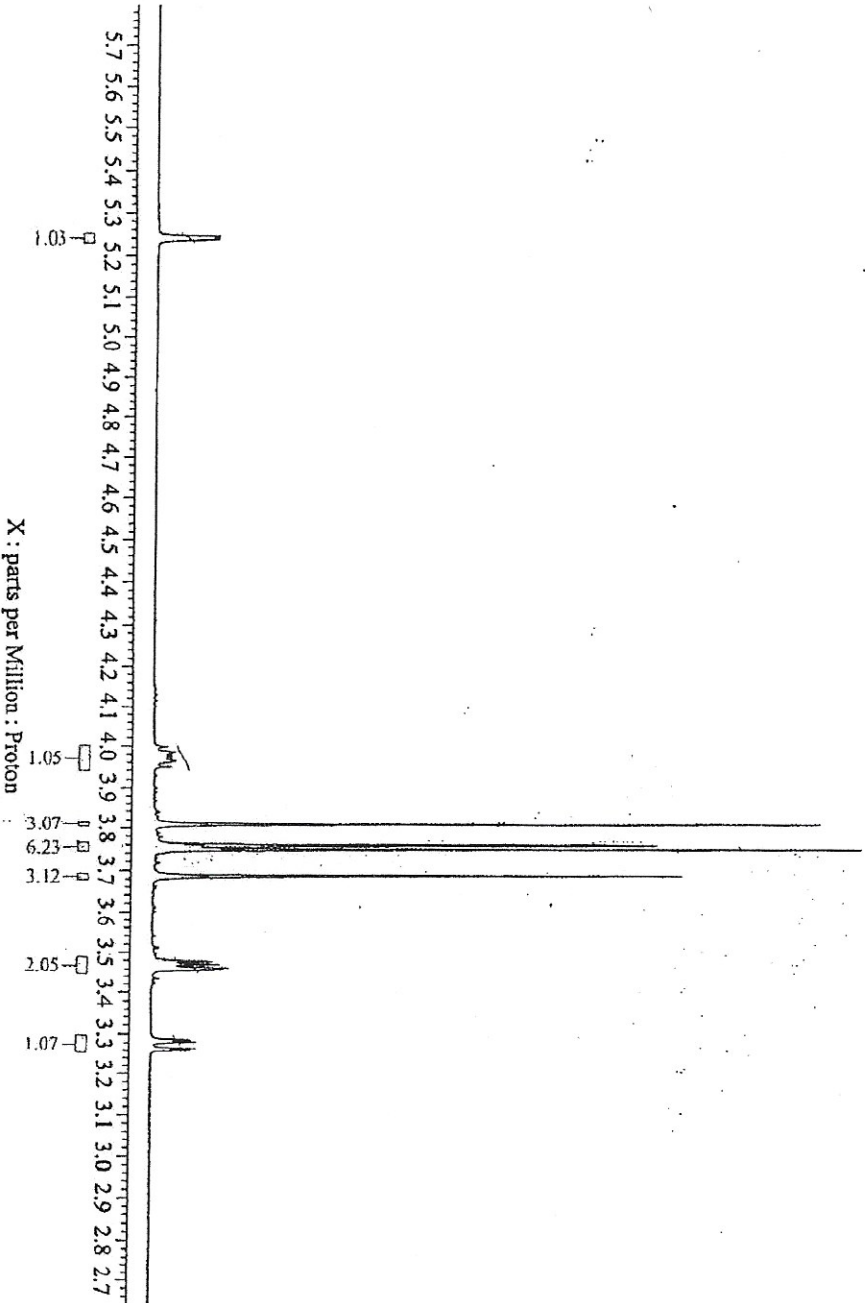
----- PROCESSING PARAMETERS -----  
 exp ( 0.21[Hz], 0.0[sec] )  
 trapzoid( 0[°], 0[°], 80[°], 100[°] )  
 zeroF111( 1 )  
 rft ( 1, TRUE, TRUE )  
 achtnphase  
 ppm



Derived from: 6,3-DMF A\_RC\_proton-1-1.jdf

Filename = 6,3-DMF A\_RC\_proton-1-2.:  
 Instrument Id = NMR-02  
 Author = gyy1243  
 Reviewed by = GRN  
 Solvent = CHLOROFORM-D  
 Spectrometer = JNM-EZ500R/51  
 Experiment = proton.jxp

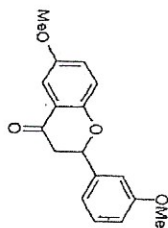
Acquisition Parameters  
 X\_Domain = 1H  
 X\_Offset = 7.0 [ppm]  
 X\_Sweep = 11.2815845 [Hz]  
 Scans = 16  
 Relaxation\_Delay = 2 [s]



Catalog No.: 22-365  
 Product Name: 6,3'-Dimethoxyflavanone  
 Lot No.: 1611929



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6,3-DMF A\_RC\_proton-1-2.jdf

Catalog No.: 22-365  
 Product Name: 6,3'-Dimethoxyflavanone  
 Lot No.: 1611929

7.294  
 7.279  
 7.166  
 7.162  
 7.152  
 7.145  
 7.134  
 7.127  
 7.083  
 7.078  
 7.061  
 7.042  
 7.036  
 7.024  
 7.024  
 6.996  
 6.943  
 6.939  
 6.934  
 6.842  
 6.824  
 6.798  
 6.794  
 6.782  
 6.778  
 6.765  
 6.749  
 6.731  
 6.714  
 6.709

```

----- PROCESSING PARAMETERS -----
exp ( 0.2[Hz], 0.0[sec] )
trapexfld( 0[%], 0[%], 80[°], 100[°] )
kerofill ( 1 )
fft ( 1, TRU2, TRU2 )
machinephase
ppm
  
```

Derived from: 6,3-DMF A\_RC\_proton-1-1.jdf



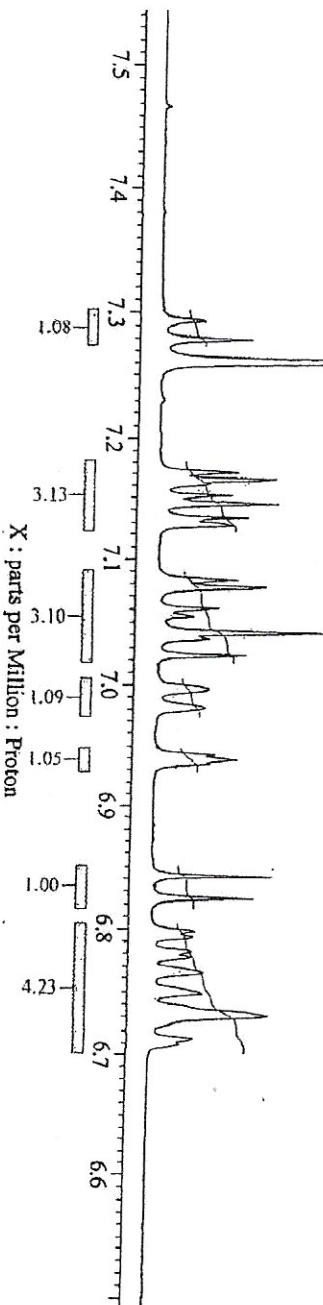
Solutions for Innovation

```

File Name      = 6,3-DMF A_RC_proton-1-2.
Instrument ID  = NMR-02
Author        = gxy1243
Reviewed by   = GXY
Solvent       = CHLOROFORM-D
Spectrometer  = JNM-ECZ500R/SI
Experiment    = proton_1xp
  
```

```

Acquisition Parameter
X Domain      = 1H
X_Offset     = 7.0[ppm]
X_Sweep      = 11.28158645[kHz]
Scans        = 16
Relaxation_Delay = 2[sec]
  
```



X : parts per Million : Proton