



# 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

Cat No.: 19-591

Product: **4',6'-DIMETHOXY-2'-HYDROXY-2(4'-METHOXYPHENYL)  
ACETOPHENONE**

CAS Number: [39604-68-7]

Lot Number: 0303044

Chemical Formula:  $C_{17}H_{18}O_5$

Molecular Weight: 302.32

Melting Point: 83-86°C

Appearance: Cream color powder

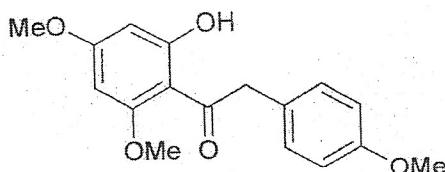
TLC: Hexane: Ethyl acetate (8:2)

Solubility: Soluble in Chloroform

NMR Spectrum: Enclosed

Purity:(HPLC) 97.70%

Storage: Cool dry place





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## HPLC ANALYSIS

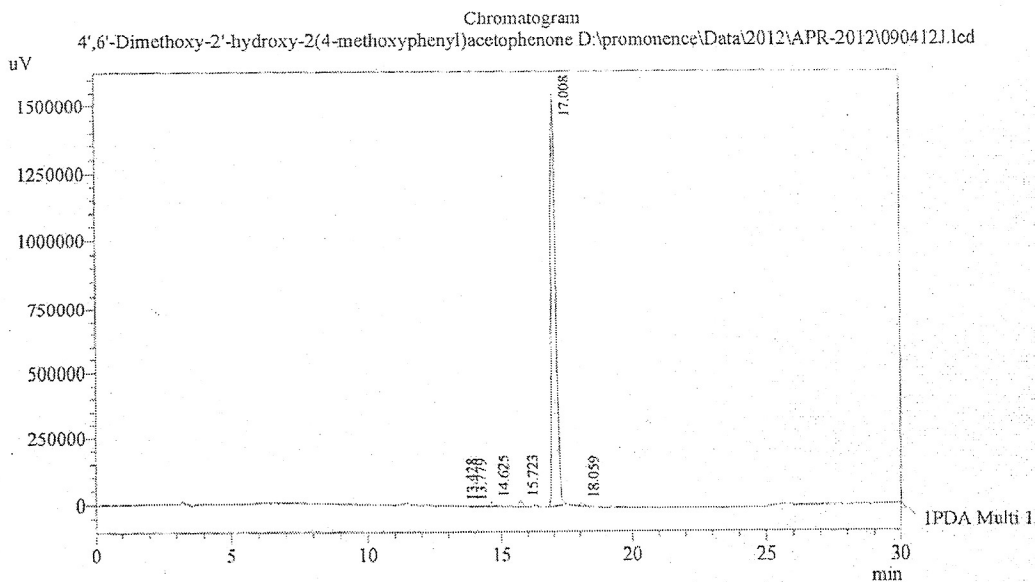
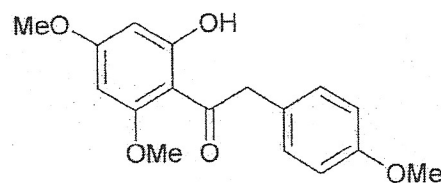
Catalog no.: 19-591

Product name: 4',6'-Dimethoxy-2'-hydroxy-2(4'-methoxyphenyl)-acetophenone

Lot No.: 0303044

Acquired by : Sanjeev  
Sample Name : 4',6'-Dimethoxy-2'-hydroxy-2(4-methoxyphenyl)acetophenone  
Sample ID : Lot No:-0303044  
Injection Volume : 20 uL  
Data Filename : 090412J.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



1 PDA Multi 1 / 230nm 4nm

PeakTable

| Peak# | Name      | Ret. Time | Area     | Area % | Relative Retention Time |
|-------|-----------|-----------|----------|--------|-------------------------|
| 1     | RT:13.428 | 13.428    | 9105     | 0.05   | 0.79                    |
| 2     | RT:13.779 | 13.779    | 7889     | 0.04   | 0.81                    |
| 3     | RT:14.625 | 14.625    | 133490   | 0.68   | 0.86                    |
| 4     | RT:15.723 | 15.723    | 191568   | 0.98   | 0.92                    |
| 5     | RT:17.008 | 17.008    | 19120417 | 97.70  | 1.00                    |
| 6     | RT:18.059 | 18.059    | 107264   | 0.55   | 1.06                    |
| Total |           |           | 19569733 | 100.00 |                         |



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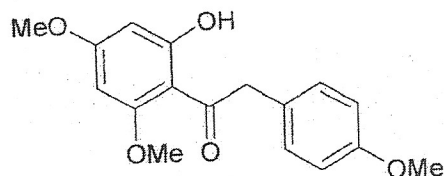
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Catalog no.: 19-591

Product name: 4',6'-Dimethoxy-2'-hydroxy-2-(4'-methoxyphenyl)-  
acetophenone

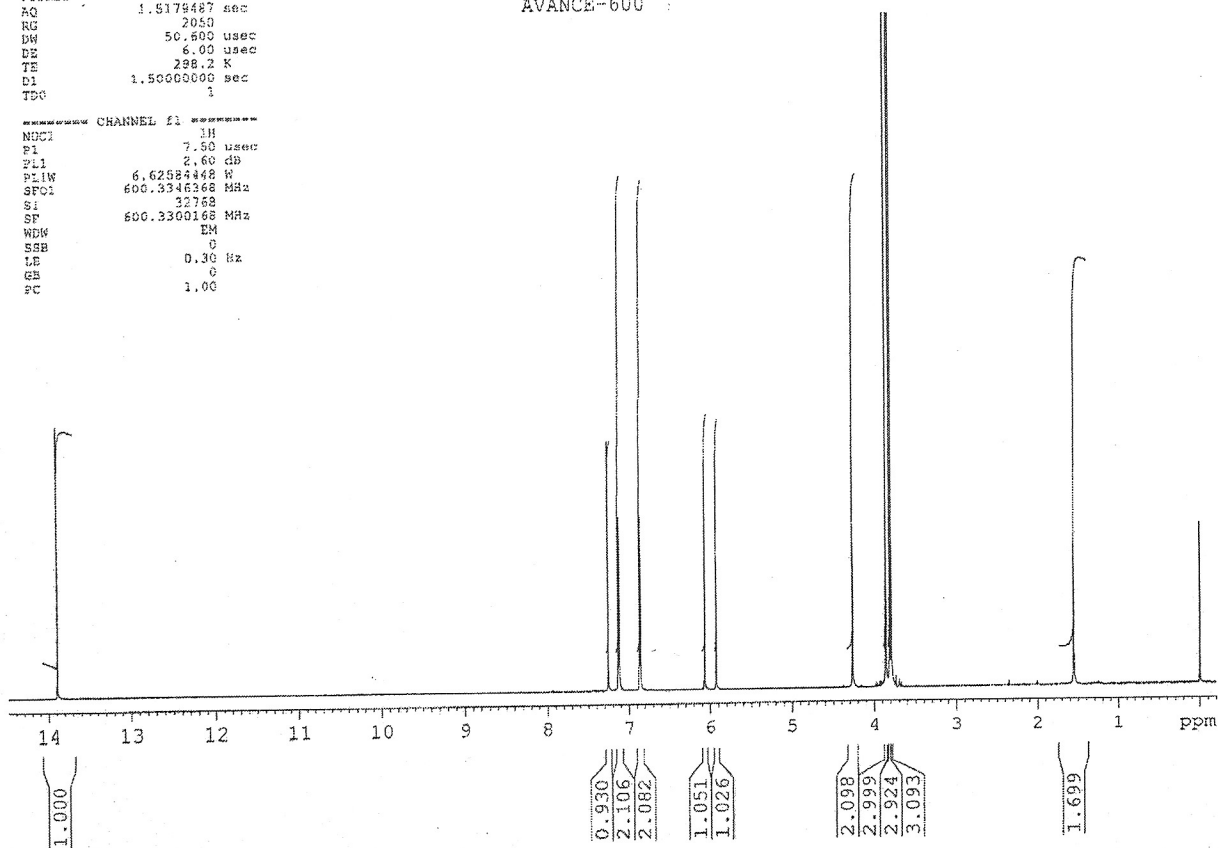
Lot No.: 0303044



SOLVENT CDCl<sub>3</sub>  
NS 32  
DS 0  
SWH 9851.423 Hz  
FIDRES 0.329403 Hz  
AQ 1.5179487 sec  
RG 2050  
DW 50.500 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.5000000 sec  
TDC 1

ICC-APR-14  
1H IN CDCl<sub>3</sub>  
AVANCE-600

CHANNEL f1  
NUC1 1H  
P1 7.50 usec  
PL1 2.60 dB  
PL1W 6.6258446 W  
SFO1 600.3346368 MHz  
SI 32768  
SF 600.3300168 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00





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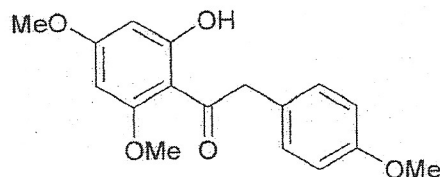
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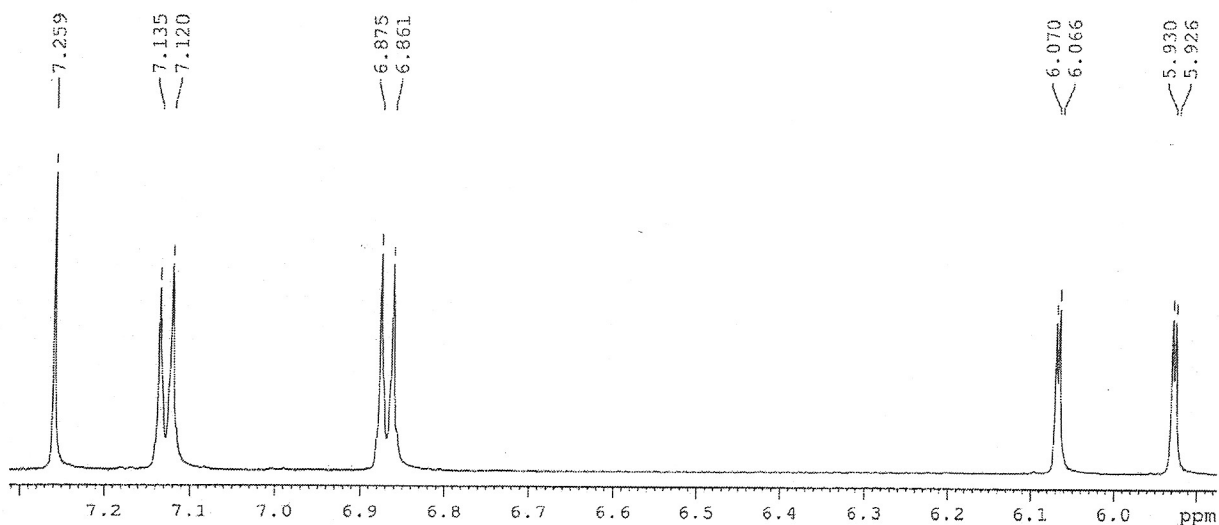
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BW 50.600 usec  
DE 6.00 usec  
TS 298.2 K  
DL 1.50000000 sec  
TDO 1

ICC-APR-14  
1H IN CDCL3  
AVANCE-600

CHANNEL F1  
NUC1 1H  
P1 2.50 usec  
PL1 2.50 dB  
PL1W 6.62584448 W  
SF01 600.3346368 MHz  
SI 32768  
SF 600.3300168 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00





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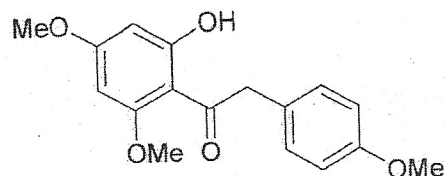
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TDE 1

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1H IN CDCL3  
AVANCE-600

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LB 0.30 Hz  
GB 0  
PC 1.00

