



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: 19-605

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

CAS Number: [477334-60-4]

Lot Number: 0304077

Chemical Formula: C₁₆H₁₅BrO₄

Molecular Weight: 351.20

Melting Point: 107-109°C

Appearance: Pale pink powder

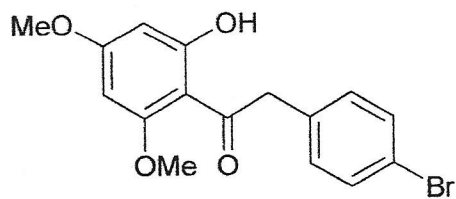
Solubility: Soluble in Chloroform

TLC: Hexane:Ethyl acetate (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 98.13%





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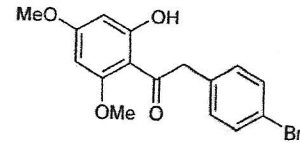
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HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 2(4'-Bromophenyl)-4',6'-dimethoxy-2'-hydroxyacetophenone
Sample ID : Lot No: 0304077
Injection Volume : 20 uL
Data Filename : 170813G.lcd
Method Filename : Linear Gradient.M.lcm

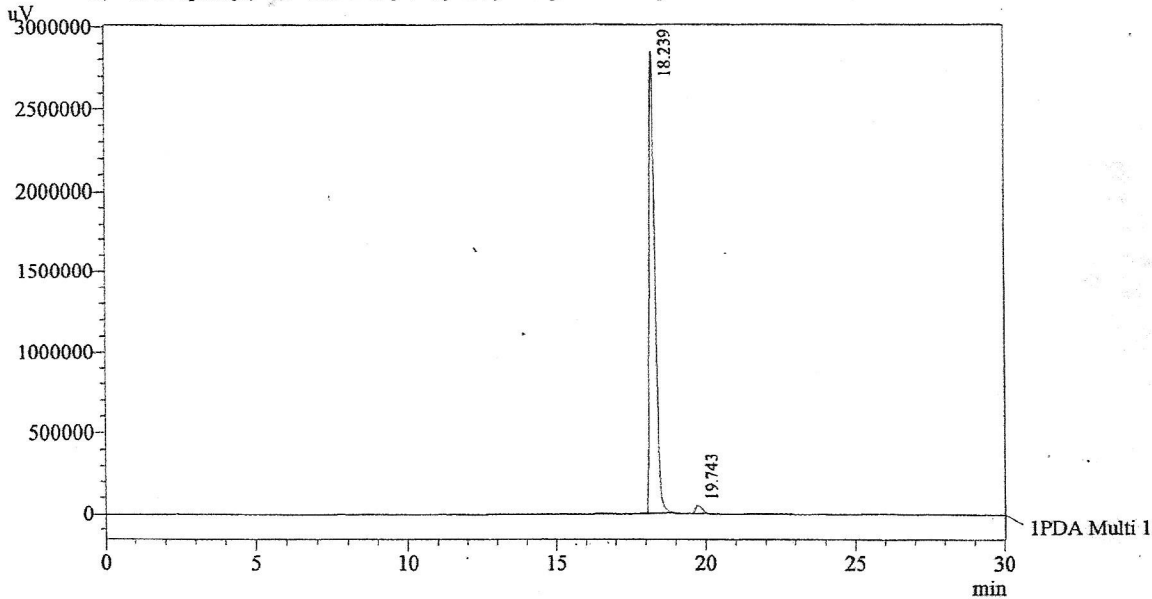
Catalog No.: 19-605
Product Name: 2(4'-Bromophenyl)-4',6'-dimethoxy-2'-hydroxy acetophenone
Lot No.: 0304077



Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)
Flow : 1.000 mL/min
Mobile Phase : A(Water) B Acetonitrile
0.01 90 10
12.0 10 90
20.0 10 90
23.0 90 10
30.0 90 10
Diluent : Methanol

Chromatogram

2(4'-Bromophenyl)-4',6'-dimethoxy-2'-hydroxyacetophenone D:\promonence\Data\2013\AUG-2013\170813G.lcd



1 PDA Multi 1 / 220nm 4nm

PeakTable

PDA Ch1 220nm 4nm

| Peak# | Name | Ret. Time | Area | Area % | Relative Retention Time |
|-------|-----------|-----------|----------|--------|-------------------------|
| 1 | RT:18.239 | 18.239 | 38661420 | 98.14 | 1.00 |
| 2 | RT:19.743 | 19.743 | 733394 | 1.86 | 1.08 |
| Total | | | 39394815 | 100.00 | |

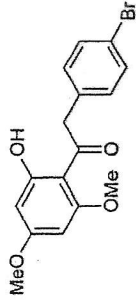


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Catalog No.: 19-605

Product Name: 2-(4'-Bromophenyl)-4,6'-dimethoxy-
 2'-hydroxy acetophenone

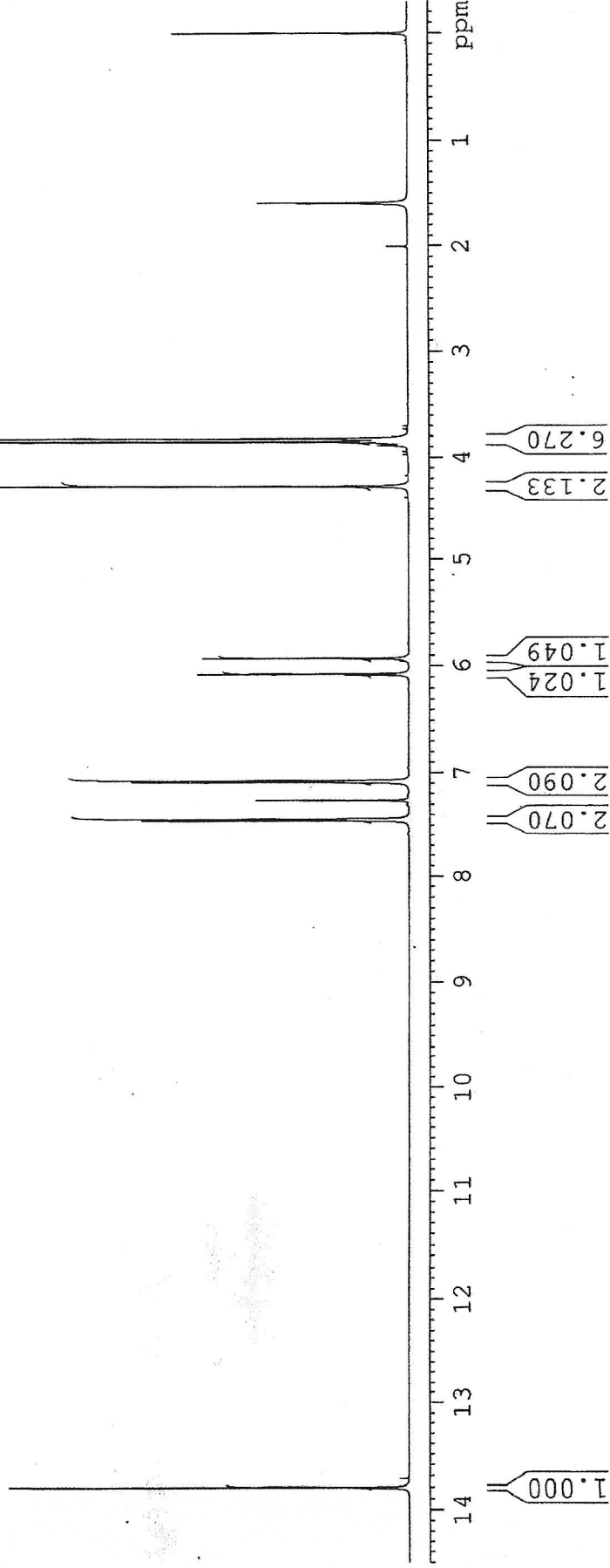
Lot No.: 0304077



SOLVENT CDCL3
 NS 16
 DS 0
 SWH 10638.298 Hz
 FIDRES 0.354634 Hz
 AQ 1.4099560 sec
 RG 45.2
 DW 47.000 usec
 DE 6.00 usec
 TE 298.2 K
 DI 1.50000000 sec
 ID0 1

1H IN CDCL3
 AVANCE-600

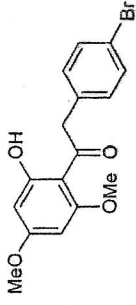
==== CHANNEL f1 =====
 NUCL 1H
 P1 7.50 usec
 PL1 2.60 dB
 P1LW 6.62584448 W
 SF01 600.3348395 MHz
 SI 32768
 SF 600.3300144 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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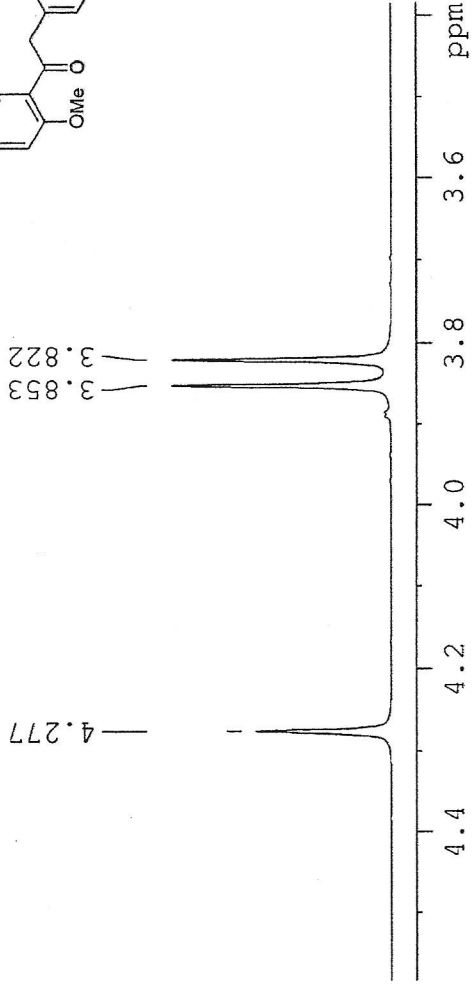
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 2-hydroxy acetophenone
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SOLVENT CDC13
 NS 16
 DS 0
 SWH 10638.298 Hz
 FIDRES 0.354634 Hz
 AQ 1.4099560 sec
 RG 45.2
 DW 47.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

1H IN CDCL3
 AVANCE-600

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3348395 MHz
 SI 32768
 SF 600.3300144 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



4.277
 3.822
 3.855
 3.882

7.440
 7.453
 7.262
 7.090
 7.077

6.074
 6.072

5.929
 5.926

