



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.: 19-611

Product: **2',4'-DIHYDROXY-2(3',4'-DIMETHOXYPHENYL)ACETOPHENONE**

Lot Number: 0304083

Chemical Formula: C₁₆H₁₆O₅

Molecular Weight: 288.30

Melting Point: 179-181°C

Appearance: White powder

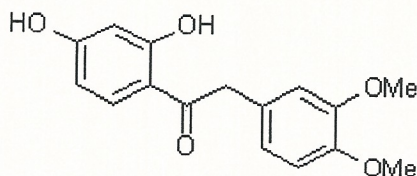
TLC: Hexane: Ethyl acetate (7:3)

Solubility: DMSO

NMR Spectrum: Enclosed

Purity:(HPLC) 99.64%

Storage: Cool dry place



19-611

ICG 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

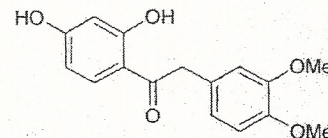
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

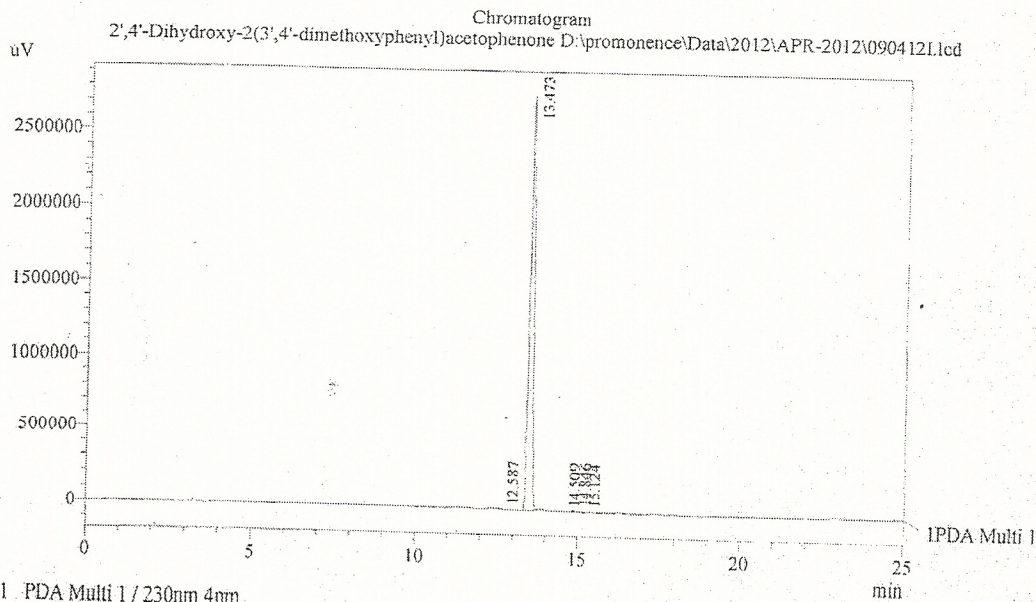
HPLC ANALYSIS

Catalog no.: 19-611
Product name: 2',4'-Dihydroxy-2(3',4'-dimethoxyphenyl)acetophenone
Lot No.: 0304083

Acquired by : Sanjeev
Sample Name : 2',4'-Dihydroxy-2(3',4'-dimethoxyphenyl)acetophenone
Sample ID : Lot No:-0304083
Injection Volume : 20 uL
Data Filename : 0904121.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
25.0 90 10



1 PDA Multi 1 / 230nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.587	12.587	16267	0.07	0.93
2	RT:13.473	13.473	23979329	99.64	1.00
3	RT:14.509	14.509	3828	0.02	1.08
4	RT:14.846	14.846	61038	0.25	1.10
5	RT:15.124	15.124	4995	0.02	1.12
Total			24065457	100.00	



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

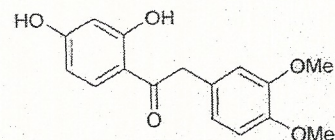
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

Catalog no.: 19-611

Product name: 2',4'-Dihydroxy-2(3',4'-dimethoxyphenyl)acetophenone

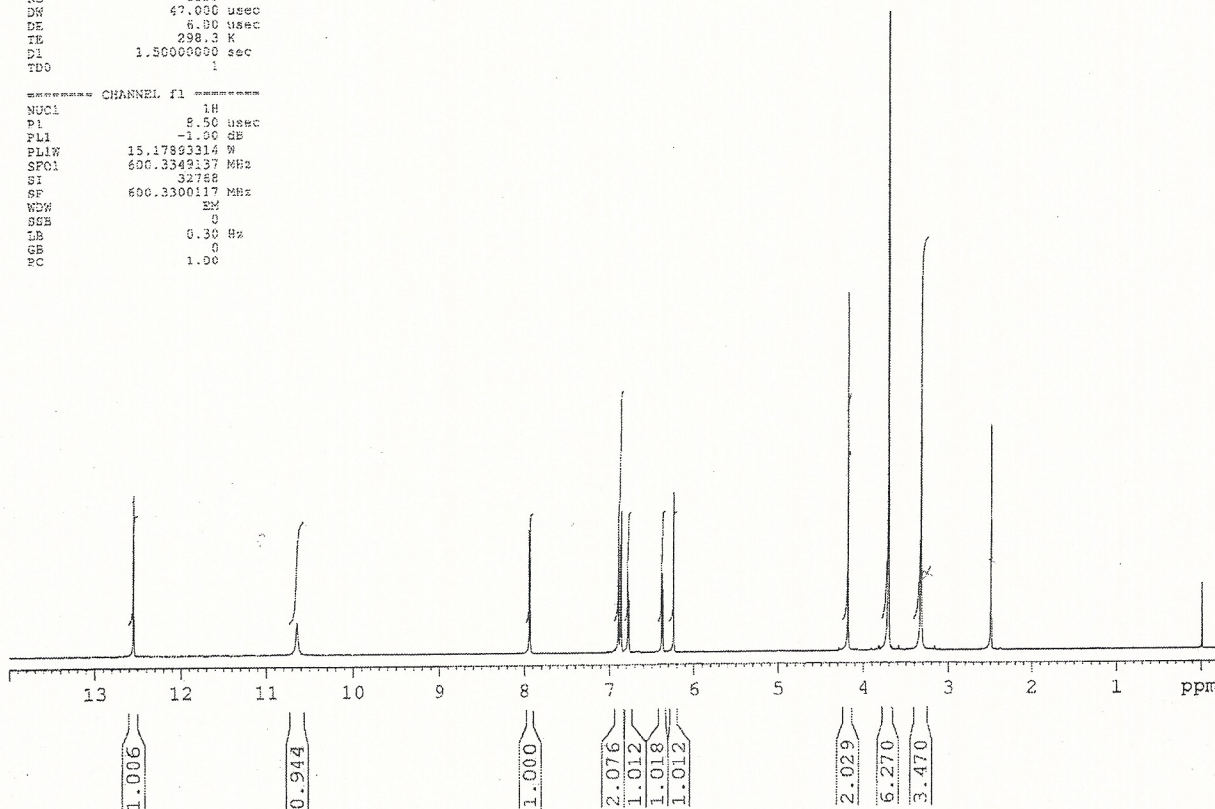
Lot No.: 0304083



SOLVENT DMSO
NS 32
DS 0
SWH 10538.298 Hz
FIDRES 0.366822 Hz
AQ 1.3557180 sec
RG 1820
DW 47.000 usec
DE 6.00 usec
TE 298.3 K
D1 1.5000000 sec
TD0 1

ICC-APR-13
1H IN DMSO
AVANCE-600

***** CHANNEL f1 *****
NUC1 1H
P1 8.50 usec
PL1 -1.00 dB
PL1W 15.1780314 W
SPG1 600.3349137 MHz
SI 32768
SF 600.3300117 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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

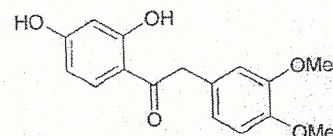
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

Catalog no.: 19-611

Product name: 2',4'-Dihydroxy-2(3',4'-dimethoxyphenyl)acetophenone

Lot No.: 0304083



```
SOLVENT      DMSO
NS           32
DS           0
SMH         10638.298 Hz
FIDRES      0.368322 Hz
AQ          1.3557180 sec
RG          1820
DW          47.000 usec
DE          8.00 usec
TE          296.3 K
S1          1.50000000 sec
TDO         1
```

ICC-APR-13
1H IN DMSO
AVANCE-600

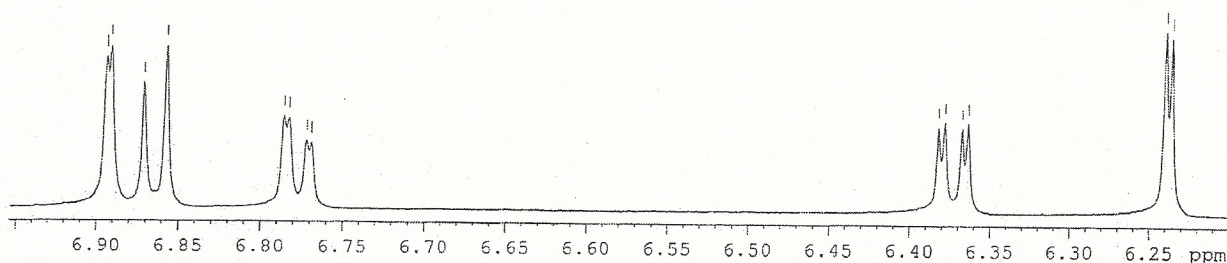
```
***** CHANNEL f1 *****
NUC1        1H
P1          8.50 usec
PL1        -1.00 dB
PL1W       15.17893314 W
SFO1       600.3349137 MHz
SI          32768
SF         600.3300117 MHz
WFW        EM
SSE        0
LB         0.30 Hz
GB         0
PC         1.00
```

6.894
6.891
6.871
6.857

6.786
6.783
6.772
6.769

6.383
6.379
6.368
6.364

6.241
6.237





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

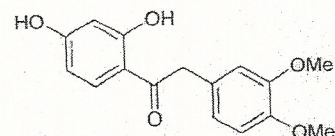
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

Catalog no.: 19-611

Product name: 2',4'-Dihydroxy-2(3',4'-dimethoxyphenyl)acetophenone

Lot No.: 0304083



SOLVENT DMSO
NS 32
DS 0
SWH 10638.298 Hz
FIDRES 0.368622 Hz
AQ 1.3557180 sec
RG 1020
DW 47.000 usec
DE 6.00 usec
TE 298.3 K
D1 1.50000000 sec
TDC 1

ICC-APR-13
1H IN DMSO
AVANCE-600

===== CHANNEL f1 =====
NUC1 1H
P1 8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SFO1 600.3349137 MHz
SI 32768
SF 600.3300117 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

