



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.: 19-451

Product: **4,2'-DIHYDROXY-3-METHOXY-5'-METHYLCHALCONE**

Lot Number: 0102018

Chemical Formula: C₁₇H₁₆O₄

Molecular Weight: 284.31

Melting Point: 153-155°C

Appearance: Orange crystalline shining powder

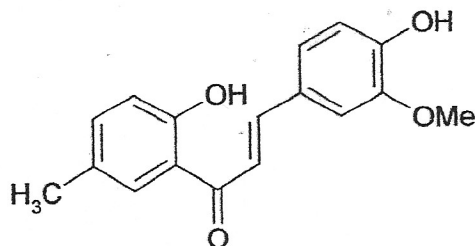
Solubility: Soluble in Chloroform

TLC: Hexane: Ethyl acetate (7:3)

NMR Spectrum: Enclosed

Storage: Cool dry place

Purity(HPLC): 99.85%





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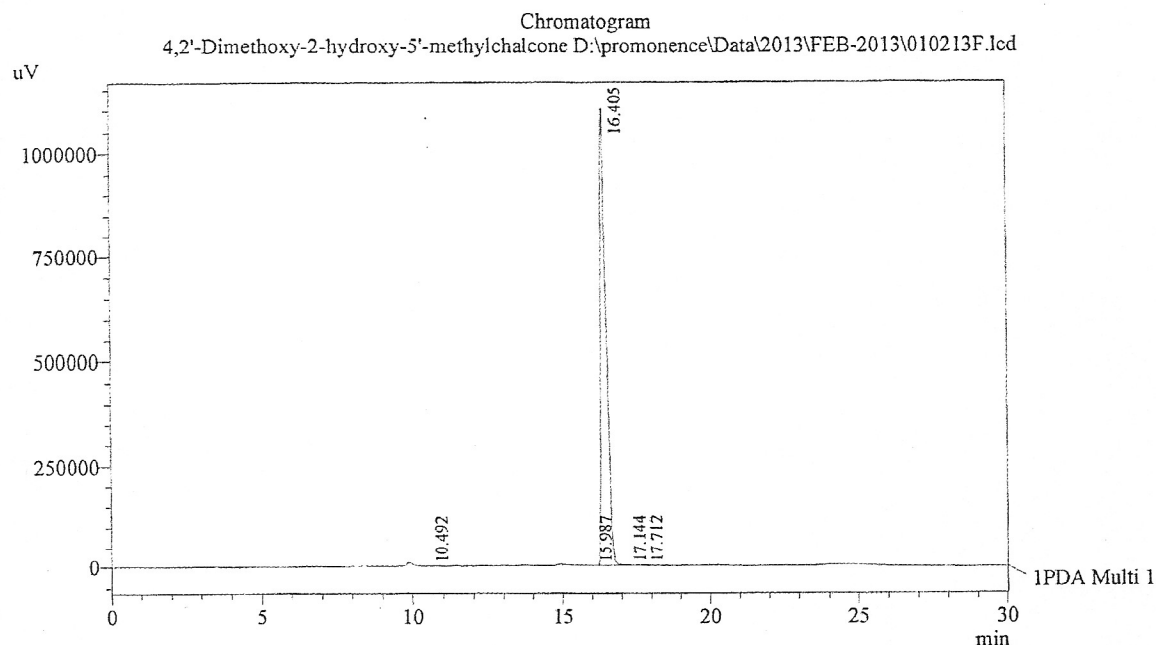
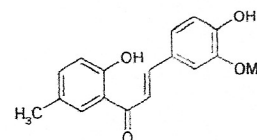
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 4,2'-Dimethoxy-2-hydroxy-5'-methylchalcone
Sample ID : Lot No-0102018
Injection Volume : 20 uL
Data Filename : 010213F.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 19-451
Product name: 4,2'-Dihydroxy-3-methoxy
5'-methyl chalcone
Lot No.: 0102018

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 / 254nm 4nm

PeakTable

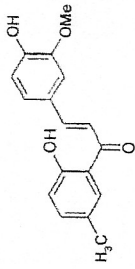
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:10.492	10.492	2747	0.02	0.64
2	RT:15.987	15.987	2305	0.02	0.97
3	4,2'-DiOMe-2-OH-5'-meth	16.405	14311354	99.85	1.00
4	RT:17.144	17.144	7329	0.05	1.05
5	RT:17.712	17.712	8831	0.06	1.08
Total			14332567	100.00	



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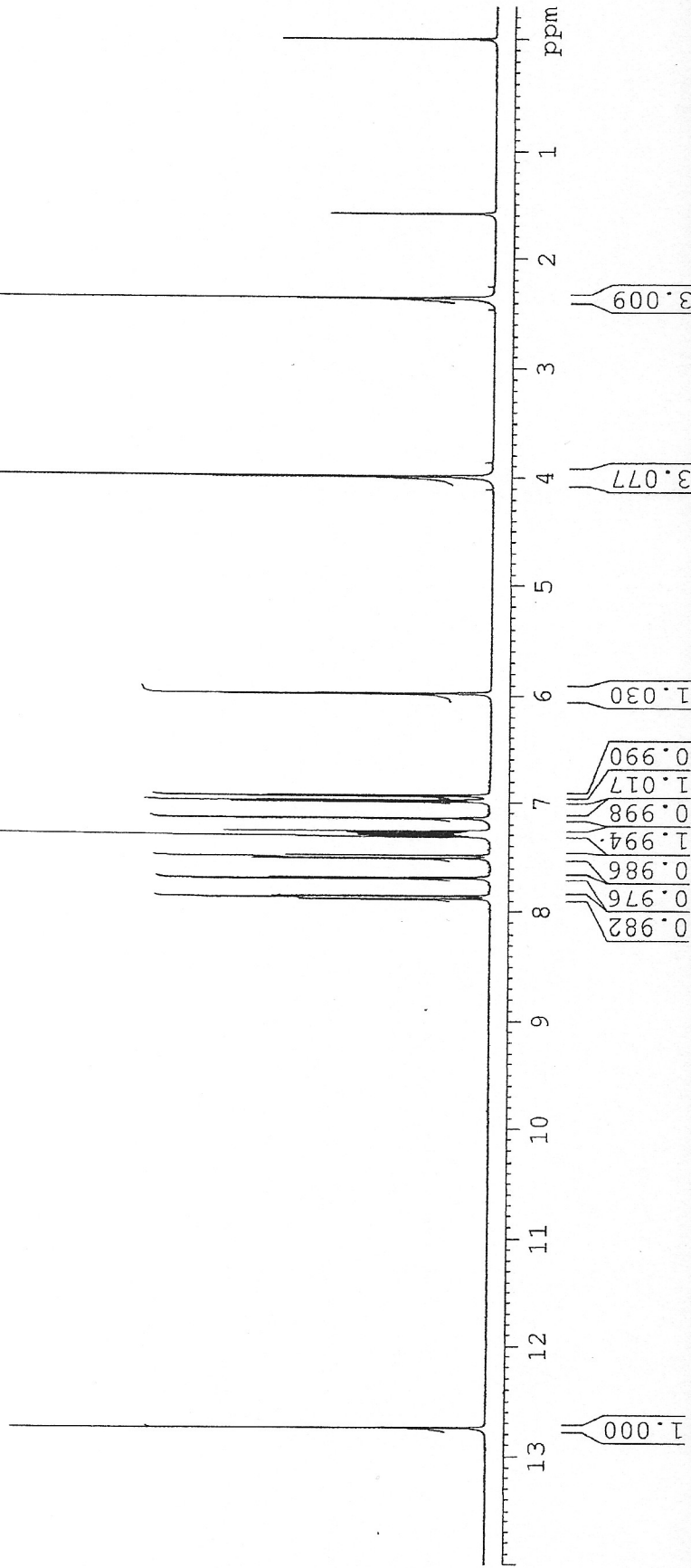
Catalog No.: 19-451
Product name: 4,2'-Dihydroxy-3-methoxy
5'-methyl chalcone
Lot No.: 0102018



SOLVENT CDCL3
NS 8
DS 0
SWH 10288.065 Hz
FIDRES 0.342958 Hz
AQ 1.4579529 sec
RG 2050
DM 48.600 usec
DE 6.00 usec
TE 299.0 K
D1 1.50000000 sec
TD0 1

1H IN CDCL3
AVANCE-600

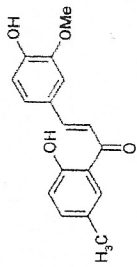
==== CHANNEL f1 =====
NUC1 1H
P1 8.30 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SFO1 600.3345471 MHz
SI 32768
SF 600.3300161 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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Catalog No.: 19-451
Product name: 4,2'-Dihydroxy-3-methoxy
5'-methyl chalcone
Lot No.: 0102018



SOLVENT CDCL3
NS 8
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FIDRES 0.342958 Hz
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RG 2050
DW 48.600 usec
DE 6.00 usec
TE 299.0 K
D1 1.50000000 sec
TD0 1

1H IN CDCL3
AVANCE-600

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SF 600.3300161 MHz
WDW EM
SSB 0
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