



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: 19-452

Product Name: **3(2-FURYL)-1(2-HYDROXY-4-METHOXYPHENYL)
PROP-2-EN-1-ONE**

Lot Number: 0102022

Chemical Formula: C₁₄H₁₂O₄

Molecular Weight: 244.25

Melting Point: 113-115°C

Appearance: Yellow powder

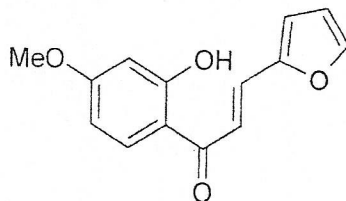
TLC: Hexane: Ethyl acetate (8:2)

Solubility: Soluble in Chloroform

NMR Spectrum: Enclosed (Conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.48%





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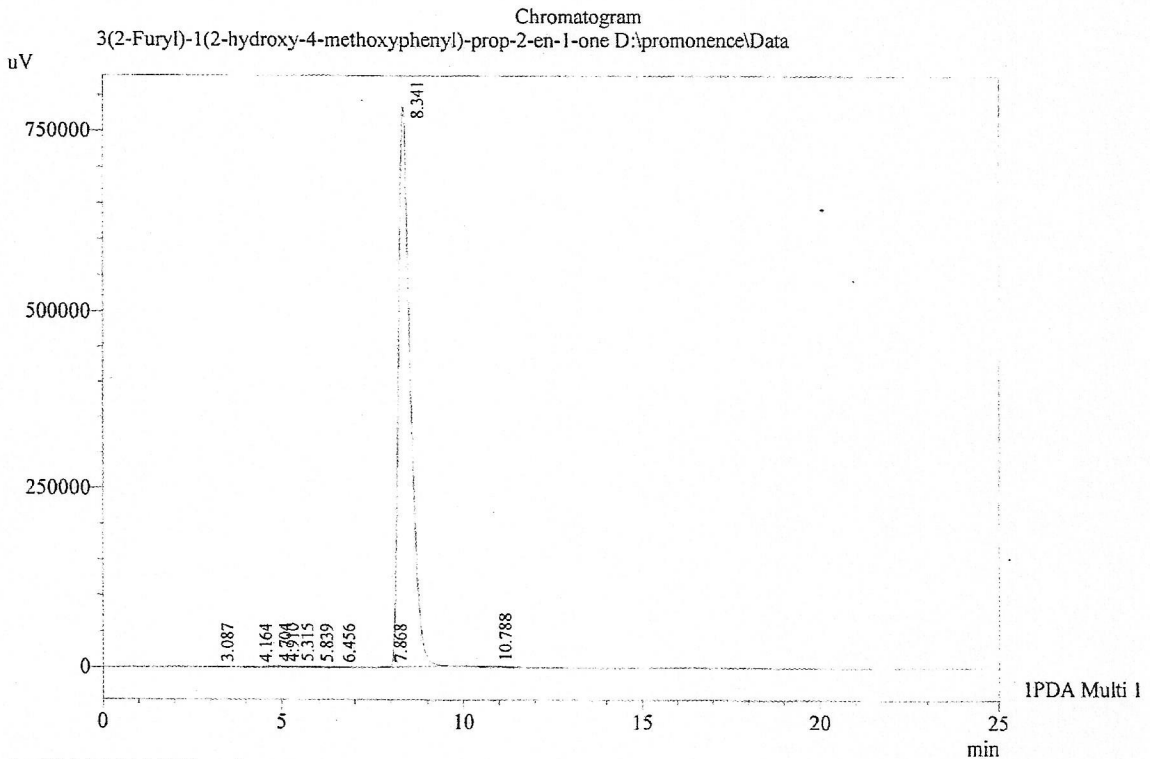
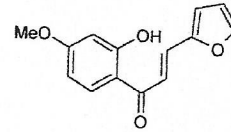
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HPLC ANALYSIS

Sample ID : Lot No: 0102022
Injection Volume : 20 uL
Data Filename : 020314E.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 19-452
Product Name: 3(2-Furyl)-1(2-hydroxy-4-methoxyphenyl)-prop-2-en-1-one
Lot No.: 0102022

Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)
Flow : 1.000 mL/min.
Mobile Phase : A(30% of Water) B(70% of Acetonitrile)
Diluent : Acetonitrile



1 PDA Multi 1 / 220nm 4nm

PeakTable

PDA Ch1 220nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:3.087	3.087	5181	0.03	0.37
2	RT:4.164	4.164	2369	0.01	0.50
3	RT:4.704	4.704	10888	0.06	0.56
4	RT:4.910	4.910	14847	0.08	0.59
5	RT:5.315	5.315	12281	0.07	0.64
6	RT:5.839	5.839	3078	0.02	0.70
7	RT:6.456	6.456	5416	0.03	0.77
8	RT:7.868	7.868	2498	0.01	0.94
9	RT:8.341	8.341	17654807	99.48	1.00
10	RT:10.788	10.788	35426	0.20	1.29
Total			17746791	100.00	

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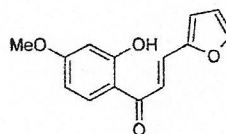
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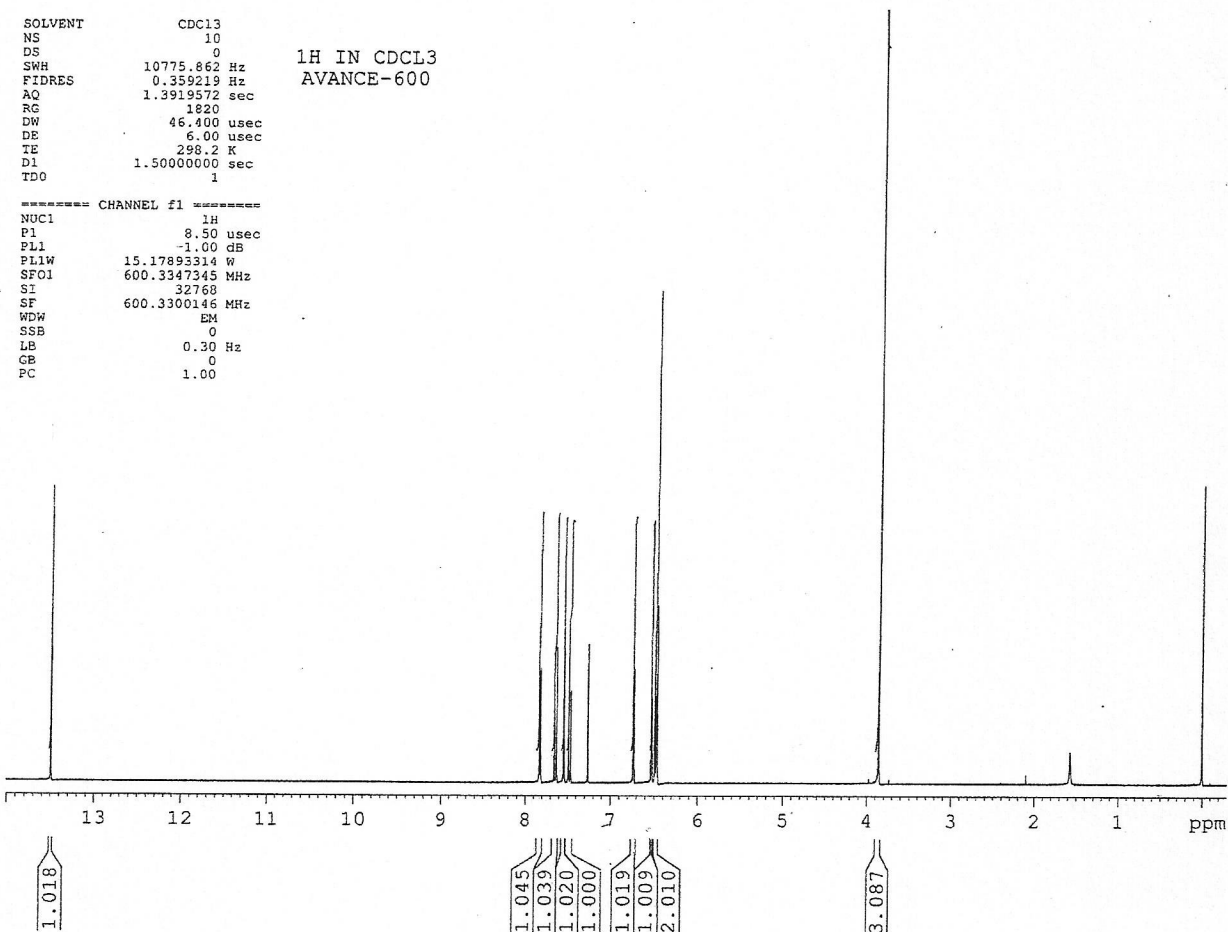
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SOLVENT CDC13
NS 10
DS 0
SWH 10775.862 Hz
FIDRES 0.359219 Hz
AQ 1.3919572 sec
RG 1920
DW 46.400 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TDO 1

1H IN CDCL3
AVANCE-600

----- CHANNEL f1 -----
NUC1 1H
P1 8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SF01 600.3347345 MHz
SI 32768
SF 600.3300146 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



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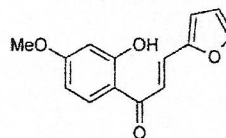
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FIDRES 0.359219 Hz
AQ 1.3919572 sec
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D1 1.50000000 sec
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1H IN CDCL3
AVANCE-600

----- CHANNEL f1 -----
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PL1W 15.17893314 W
SFO1 600.3347345 MHz
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