



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: D-601

Product Name: **2',5'-DIHYDROXYCHALCONE**

CAS Number: [19312-13-1]

Lot Number: 1503561

Chemical Formula: C₁₅H₁₂O₃

Molecular Weight: 240.25

Melting Point: 173-175°C

Appearance: Golden orange powder

Solubility: Soluble in chloroform

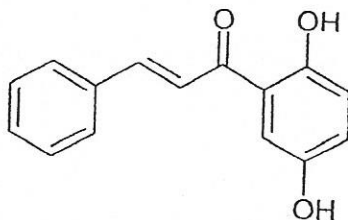
Moisture(KF): 0.25%

TLC: Hexane:Ethyl acetate (7:3)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.42%





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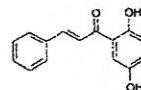
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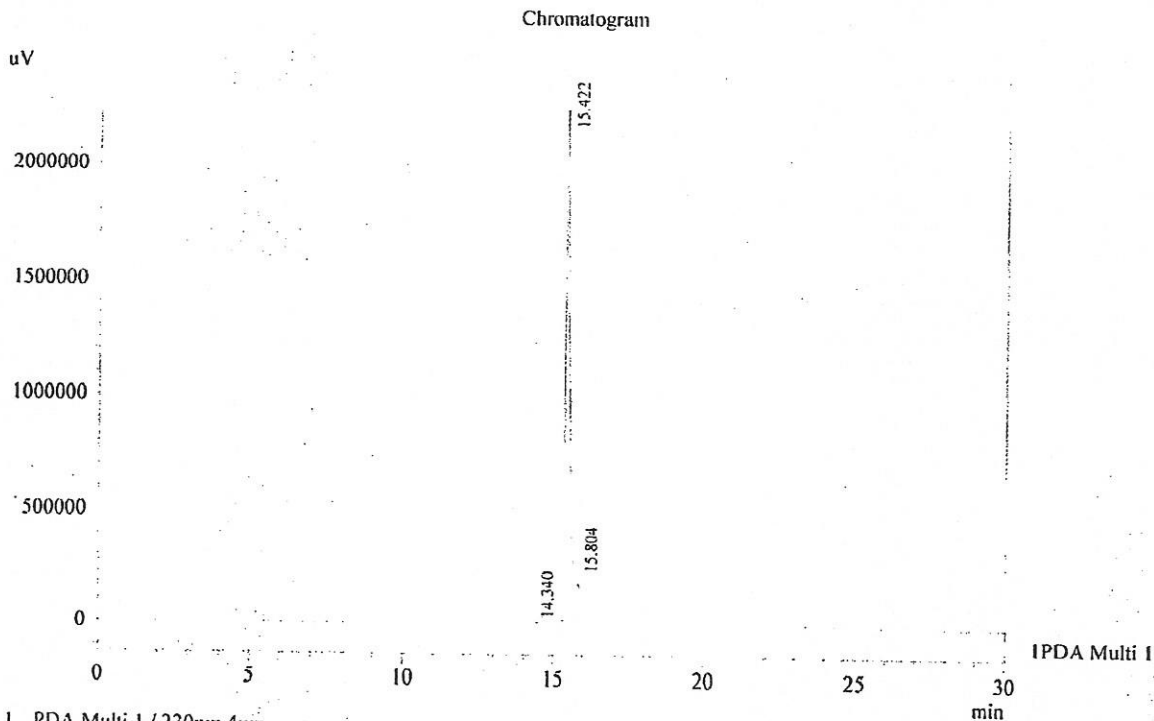
HPLC ANALYSIS

Acquired by : Admin
 Sample Name : 2,5-DiOH CHALCONE
 Sample ID : 200 gm
 Injection Volume : 20 uL
 Data Filename : 020315J.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: D-601
 Product Name: 2',5'-Dihydroxychalcone
 Lot No.: 1503561



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 : Acetonitrile



1 PDA Multi 1 / 230nm 4nm

PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:14.340	14.340	25982	0.13	0.93
2	2,5-DiOH chalcone	15.422	19974225	99.42	1.00
3	RT:15.804	15.804	90820	0.45	1.02
Total			20091027	100.00	



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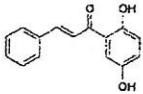
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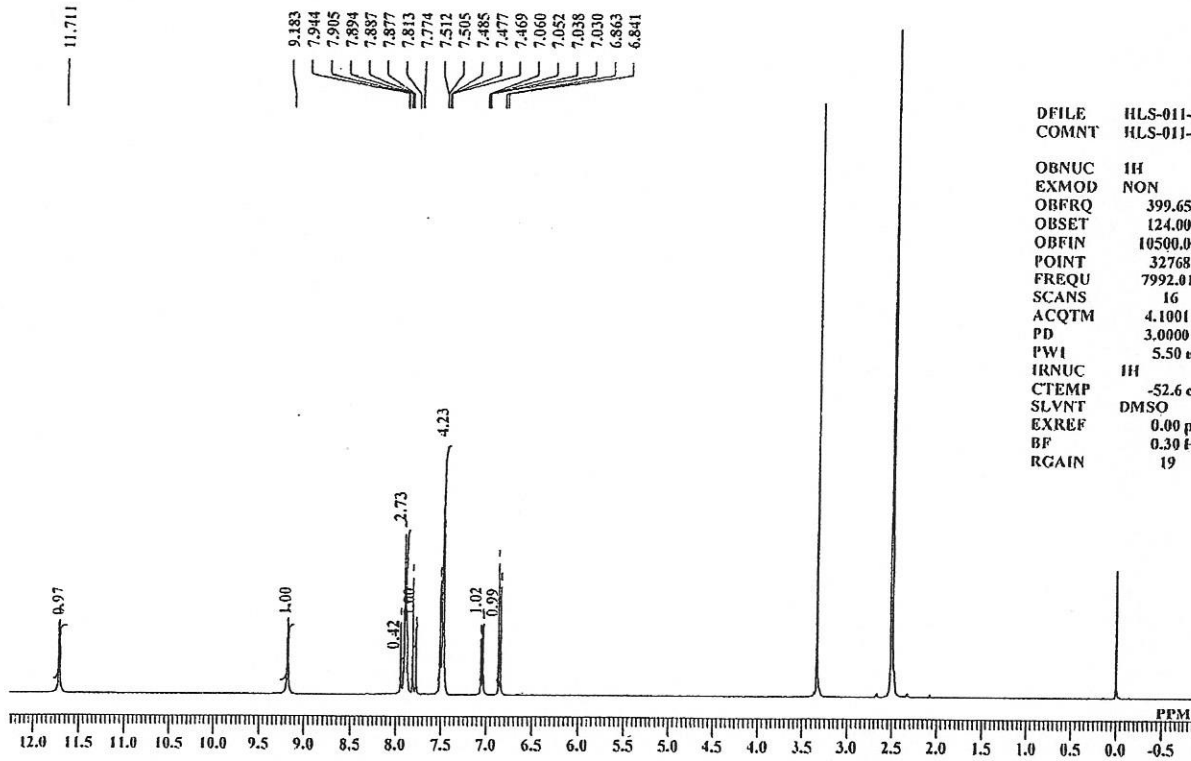
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Product Name: 2',5'-Dihydroxychalcone
Lot No.: 1503561



HLS-011-10 1H NMR DMSO-d6
Analysed By : MSR



DFILE	HLS-011-10 1H.Lals
COMNT	HLS-011-10 1H NMR DMSO-d6
OBNUC	1H
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	32768
FREQU	7992.01 Hz
SCANS	16
ACQTM	4.1001 sec
PD	3.0000 sec
PWI	5.50 usec
IRNUC	1H
CTEMP	-52.6 c
SLVNT	DMSO
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	19

ICG INDOFINE Chemical Company, Inc.

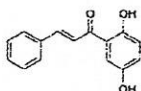
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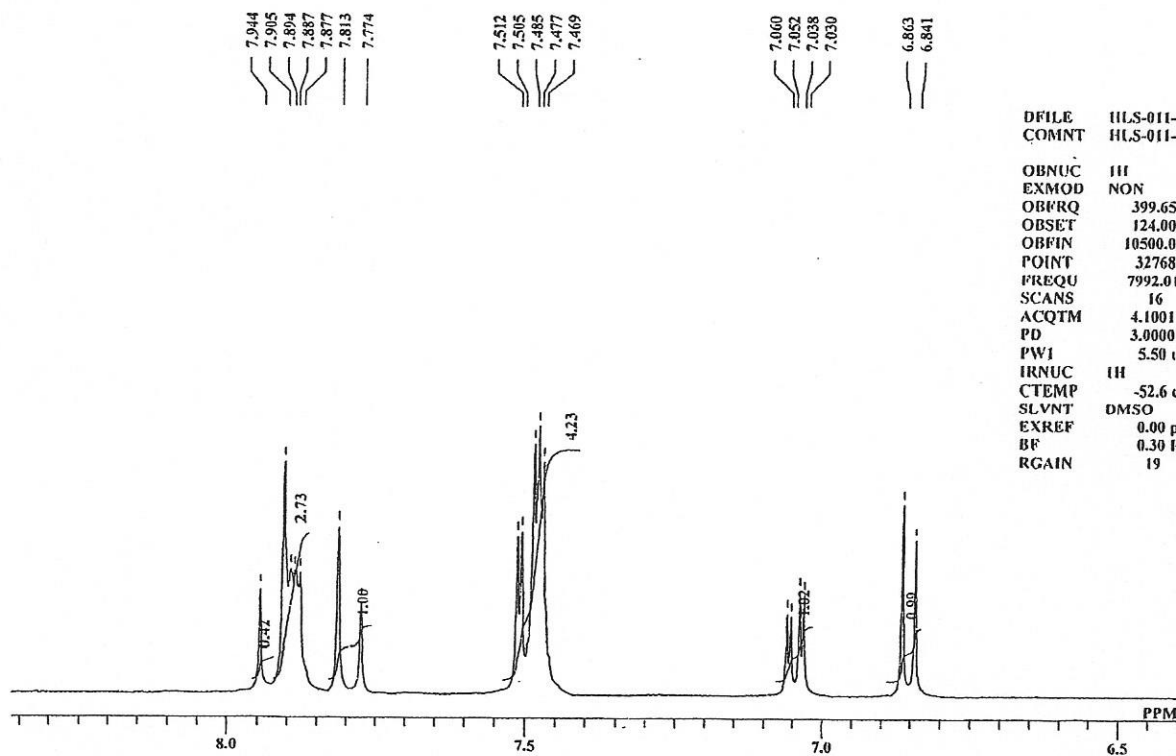
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Product Name: 2',5'-Dihydroxychalcone
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HLS-011-10 1H NMR DMSO-d6
Analysed By: MSR



DFILE HLS-011-10 1H.als
COMNT HLS-011-10 1H NMR DMSO-d6

OBNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 32768
PREQU 7992.01 Hz
SCANS 16
ACQTM 4.1001 sec
PD 3.0000 sec
PWI 5.50 usec

IRNUC 1H
CTEMP -52.6 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 19