



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-502

Product Name: **3,2'-DIHYDROXYCHALCONE**

CAS: [36574-83-1]

Lot Number: 98019

Chemical Formula: C₁₅H₁₂O₃

Molecular Weight: 240.25

Melting Point: 161-164°C

Appearance: Yellow powder

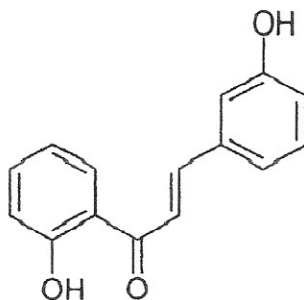
Solubility: Soluble in DMSO

TLC: Hexane : Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 97.90%





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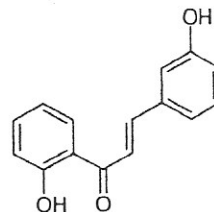
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HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 3,2'-Dihydroxychalcone
 Sample ID : Lot No:-98019
 Injection Volume : 20uL
 Data Filename : 0804130.lcd
 Flow : 1.000 ml/min
 Mobile Phase : A(Water) B(Acetonitrile)

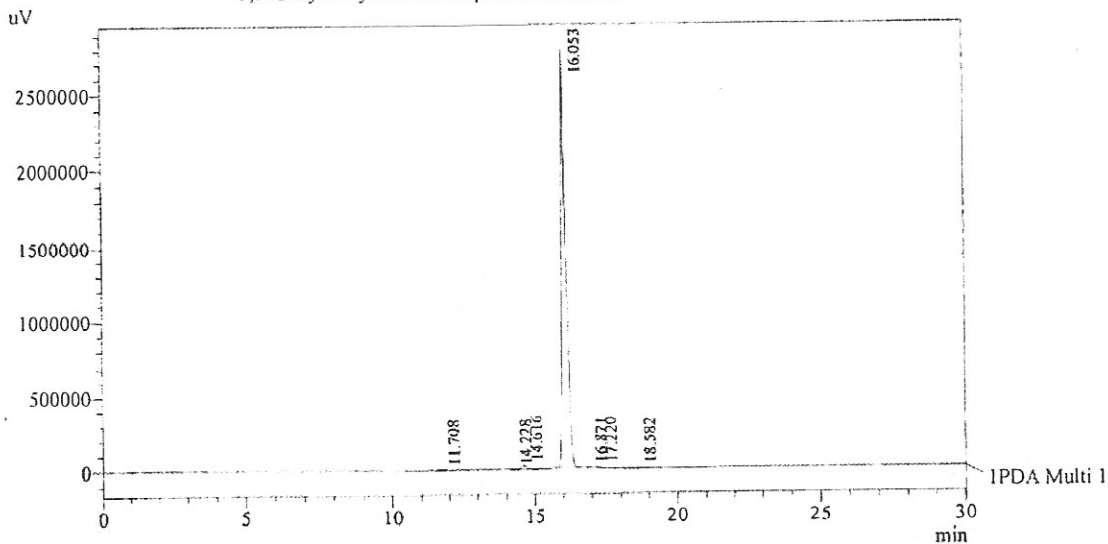


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0.01 90 10
 12.0 10 90
 20.0 10 90
 23.0 90 10
 30.0 90 10

Diluent : Acetonitrile

Chromatogram
 3,2'-Dihydroxychalcone D:\promonence\Data



1 IPDA Multi 1 / 254nm 4nm

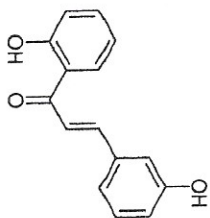
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.708	11.708	46920	0.16	0.73
2	RT:14.228	14.228	13632	0.05	0.89
3	RT:14.616	14.616	365002	1.24	0.91
4	3,2'-Dihydroxychalcone	16.053	28876034	97.90	1.00
5	RT:16.871	16.871	65411	0.22	1.05
6	RT:17.220	17.220	102675	0.35	1.07
7	RT:18.582	18.582	25032	0.08	1.16
Total			29494705	100.00	



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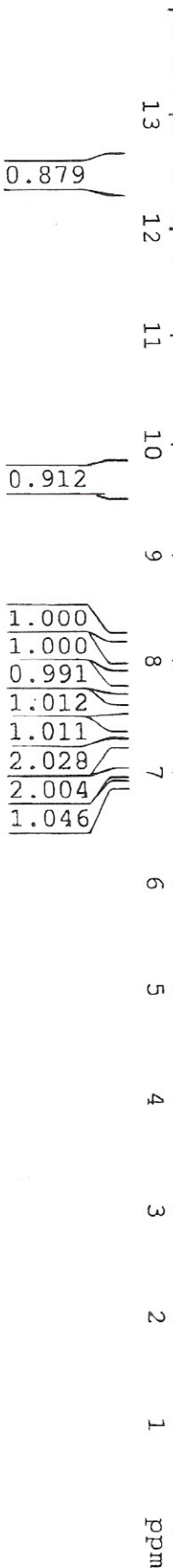
Catalog No.: D-502
Product name: 3,2'-Dihydroxychalcone
Lot No.: 98019



SOLVENT DMSO
NS 16
DS 0
SMH 9803.922 Hz
FIDRES 0.326819 Hz
AQ 1.5299480 sec
RG 22.6
DW 51.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
T00 1

1H IN DMSO
AVANCE-600

===== CHANNEL F1 =====
NMIC1 1H
F1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 630.3345228 MHz
S1 32768
SF 600.3300115 MHz
WDW EM
SSB 0
LB 0.30 HZ
GB 0
PC 1.00





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