



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.: T-502

Product Name: 2,2',4'-TRIHYDROXYCHALCONE

CAS Number: [26962-50-5]

Lot Number: 0201032

Chemical Formula: C₁₅H₁₂O₄

Molecular Weight: 256.26

Melting Point: 185-188°C

Appearance: Deep yellow powder

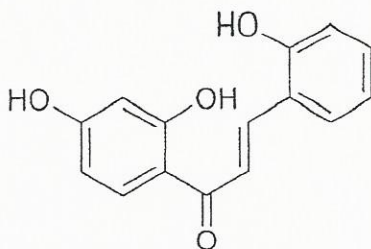
Solubility: Soluble in DMSO

TLC: Chloroform:methanol (9:1)

NMR Spectrum: Enclosed (Conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 98.52%





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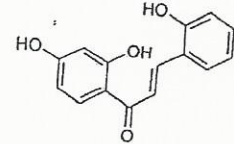
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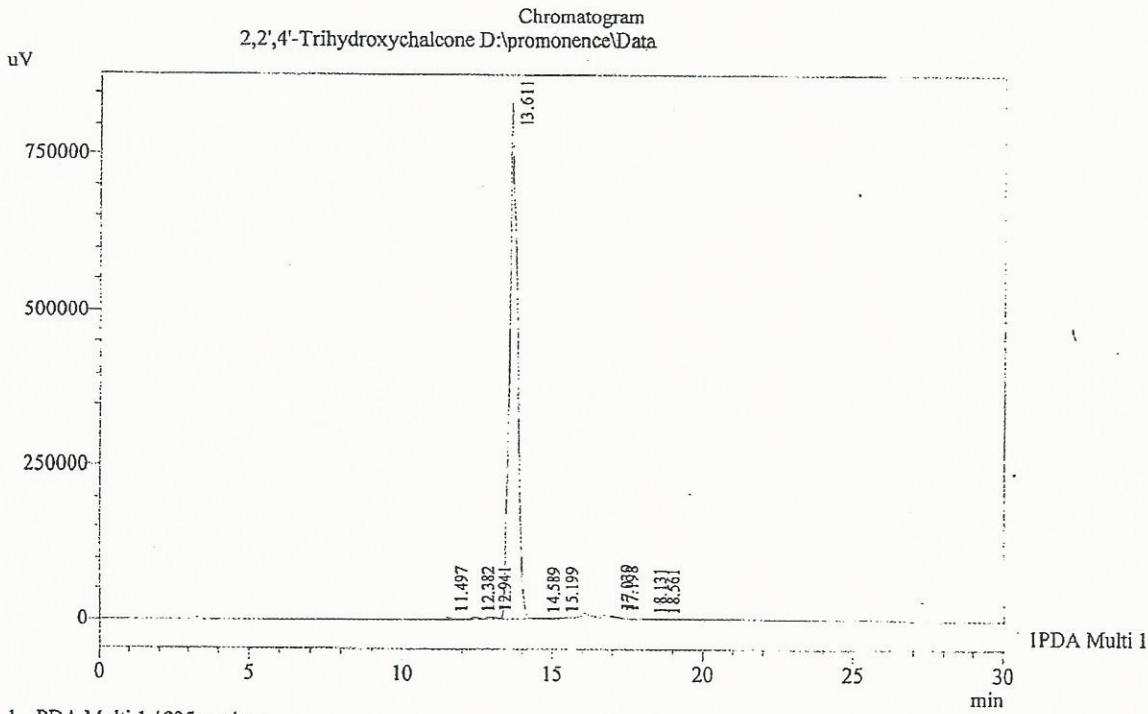
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 2,2',4'-Trihydroxychalcone
Sample ID : Lot No:0201032
Injection Volume : 20 uL
Data Filename : 020314I.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: T-502
Product Name: 2,2',4'-Trihydroxychalcone
Lot No.: 0201032



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



1 PDA Multi 1 / 225nm 4nm

PeakTable

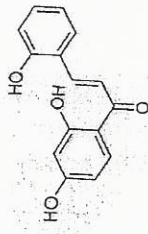
PDA Ch1 225nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.497	11.497	71554	0.44	0.84
2	RT:12.382	12.382	58810	0.36	0.91
3	RT:12.941	12.941	69535	0.43	0.95
4	2,2',4'-Trihydroxychalcone	13.611	15921422	98.52	1.00
5	RT:14.589	14.589	7665	0.05	1.07
6	RT:15.199	15.199	7312	0.05	1.12
7	RT:17.039	17.039	8028	0.05	1.25
8	RT:17.198	17.198	3444	0.02	1.26
9	RT:18.131	18.131	6265	0.04	1.33
10	RT:18.561	18.561	6545	0.04	1.36
Total			16160580	100.00	



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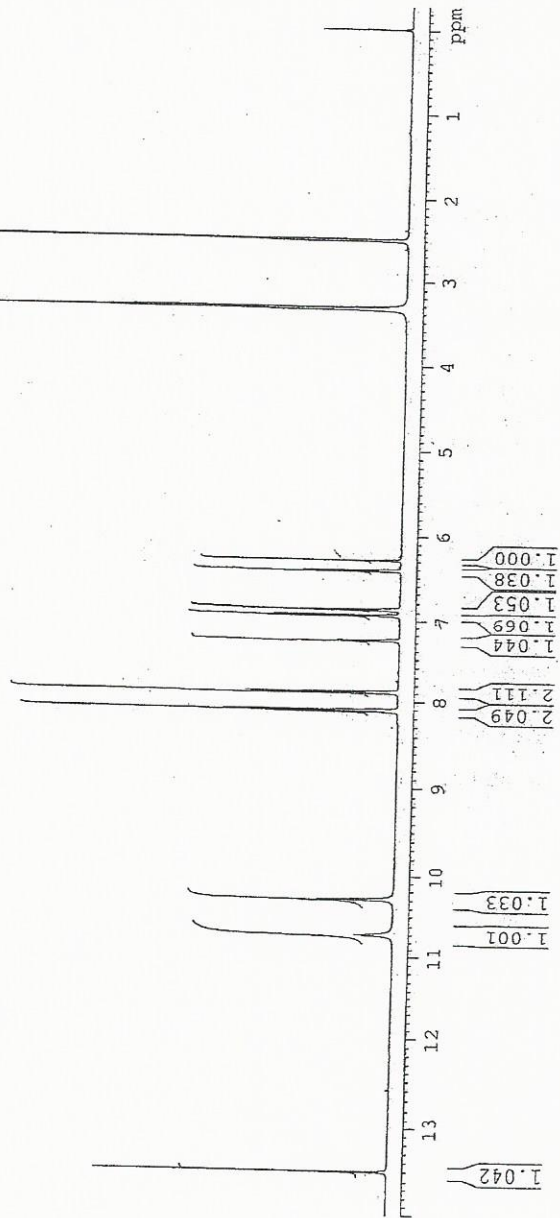
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 Lot No.: 0201032



SOLVENT DMSO
 NS 8
 SWH 10422.510 Hz
 FIDRES 0.360714 Hz
 AQ 1.3859576 sec
 RG 203
 DN 46.200 usec
 DE 6.00 usec
 DI 298.2 K
 TD0 1.50000000 sec

1H IN DMSO
 AVANCE-600

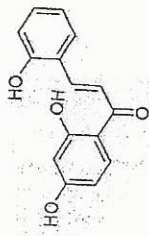
***** CHANNEL F1 *****
 NUC1 1H
 P1 8.50 usec
 PL1 -1.00 dB
 SFLW 15.1789314 W
 SFO1 600.3347934 MHz
 SI 32766
 SMDW 600.3300142 MHz
 EN 0
 C 0.30 Hz
 GB 0
 LB 0
 PC 1.00





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Catalog No.: T-502
 Product Name: 2,2',4'-Trihydroxychalcone
 Lot No.: 0201032



SOLVENT DMSO
 NS 0
 DS 0
 SMH 10822.511 Hz
 FIDRES 0.360774 Hz
 AQ 1.3859576 sec
 C 203
 DW 46.200 usec
 DE 56.00 usec
 TE 25.00 K
 D1 1.50000000 sec
 TDO 1

***** CHANNEL F1 *****
 NUC1 1H
 P1 8.50 usec
 PL1 15.17892100 dB
 PLOW 600.3347934 MHz
 SF01 32768
 SI 600.3300119 MHz
 SE EM
 MDW 0
 L2 0
 L3 0
 GB 0
 PC 1.00

