



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 No.: T-502

Product: 2,2',4'-TRIHIDROXYCHALCONE

CAS Number: [26962-50-5]

Lot Number: 93037

Chemical Formula: C₁₅H₁₂O₄

Molecular Weight: 256.26

Melting Point: 181-185°C (dec)

Appearance: Deep yellow powder

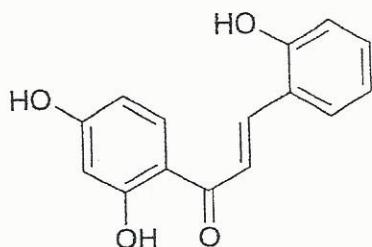
Solubility: Soluble in DMSO

TLC: Chloroform:methanol (9:1)

NMR Spectrum: Enclosed

Storage: Store in a cool dry place

Purity(HPLC): 97.55%





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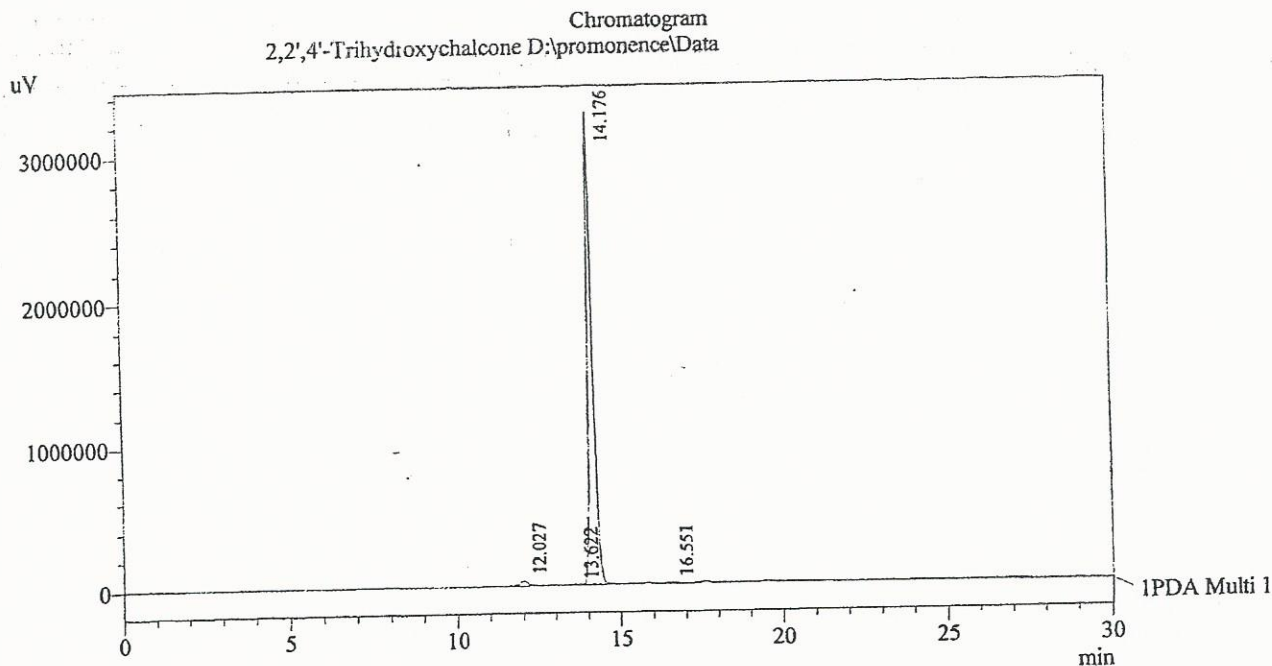
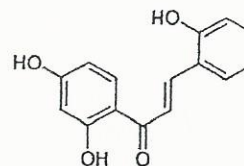
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 2,2',4'-Trihydroxychalcone
 Sample ID : Lot No:- 93037
 Injection Volume : 20 uL
 Data Filename : 080413K.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: T-502
 Product name: 2,2',4'-Trihydroxychalcone
 Lot No.: 93037

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 / 225nm 4nm

PeakTable

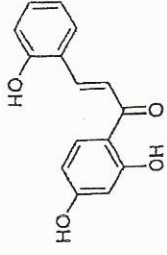
PDA Ch1 225nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.027	12.027	609244	1.81	0.85
2	RT:13.621	13.622	58602	0.17	0.96
3	2,2',4'-Trihydroxychalcone	14.176	32893417	97.55	1.00
4	RT:16.551	16.551	157941	0.47	1.17
Total			33719203	100.00	



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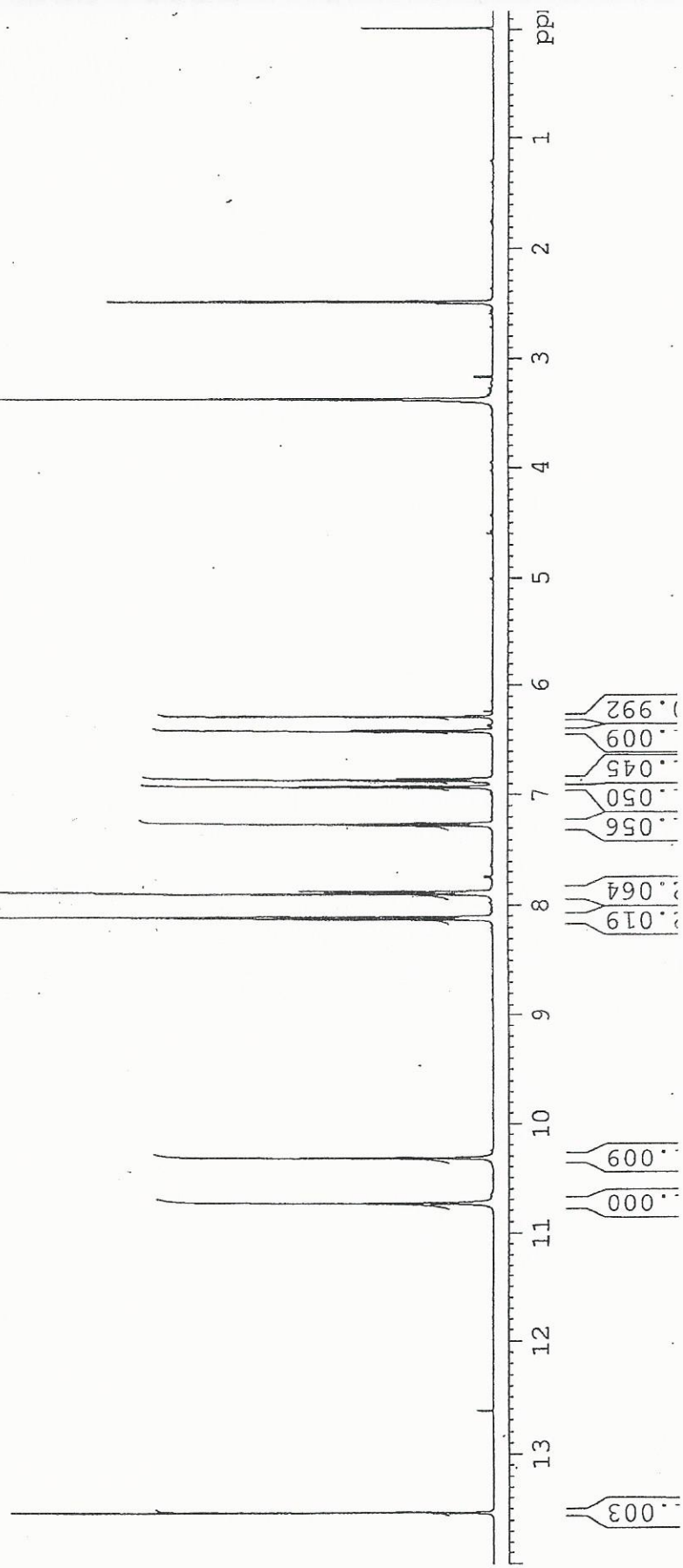
Catalog No.: T-502
 Product name: 2,2',4'-Trihydroxychalcone
 Lot No.: 93037



SOLVENT DMSO
 NS 16
 DS 0
 SWH 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
 TD0 1

1H IN DMSO
 AVANCE-600

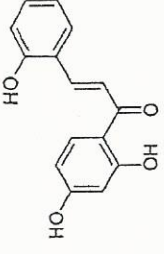
===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3345228 MHZ
 SI 32768
 SF :0114 MHZ
 EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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 SF 600.3300114 MHz
 EM EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

