



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

Cat No.: T-503

Product: 4,2',4'-TRIHYDROXYCHALCONE
(Isoliquiritigenin)

CAS Number: [961-29-5]

Lot Number: 0312197

Chemical Formula: C₁₅H₁₂O₄

Molecular Weight: 256.26

Melting Point: 188-195°C

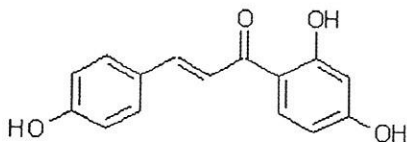
Appearance: Dark yellow powder

TLC: Hexane:Ethyl acetate (1:1)

Solubility: Soluble in DMSO

Storage: Cool dry place

Purity(HPLC): 97.85%





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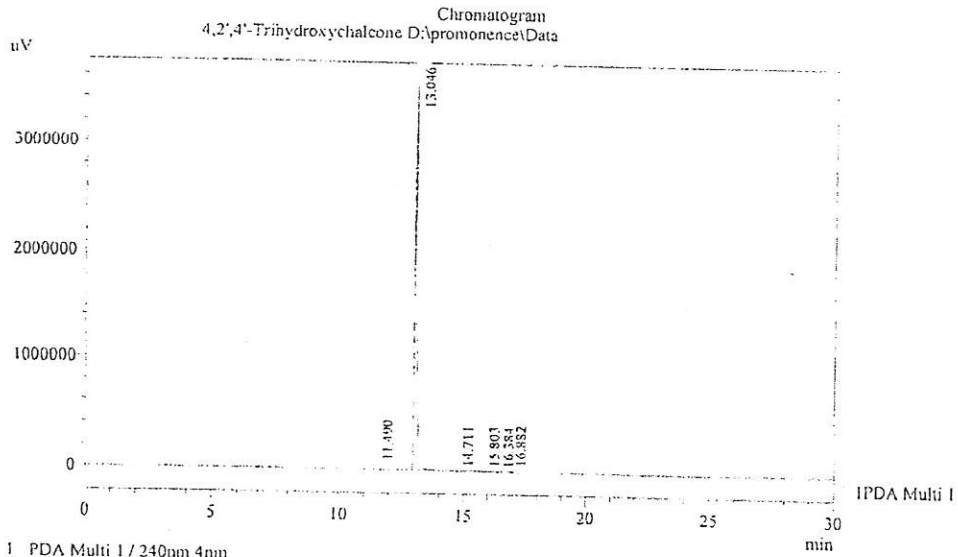
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 4,2',4'-Trihydroxychalcone
Sample ID : Lot No:-0312197
Injection Volume : 20 uL
Data Filename : 130212M.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: T-503
Product name: 2',4',4-Trihydroxychalcone
Lot No.: 0312197

Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)
Flow : 1.000 mL/min
Mobile Phase : A(0.05% TFA in water) B(Acetonitrile)
0.01 90 10
12.0 10 90
20.0 10 90
25.0 90 10
30.0 90 10

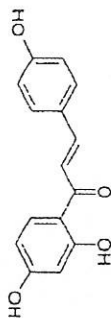


PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.490	11.490	311512	1.38	0.88
2	RT:13.046	13.046	22104532	97.85	1.00
3	RT:14.711	14.711	24242	0.11	1.13
4	RT:15.803	15.803	25636	0.11	1.21
5	RT:16.384	16.384	7852	0.03	1.26
6	RT:16.882	16.882	117347	0.52	1.29
Total			22590921	100.00	



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 BLDG. 30, SUITE 1
 HILLSBOROUGH, NJ 08844



Catalog No.: T-503
 Product name: 2',4',4'-Trihydroxychalcone
 Lot No.: 0312197

ICC-14
 1H IN DMSO
 AVANCE-600

SCHEMATIC DMSO
 NS 32
 DS 10302.198 Hz
 FIDRES 0.531170 Hz
 AQ 1.3990455 sec
 RG 2030
 DM 46.533 USEC
 DE 6.00 USEC
 TR 298.2 K
 D1 1.5000000 sec
 TD0 1

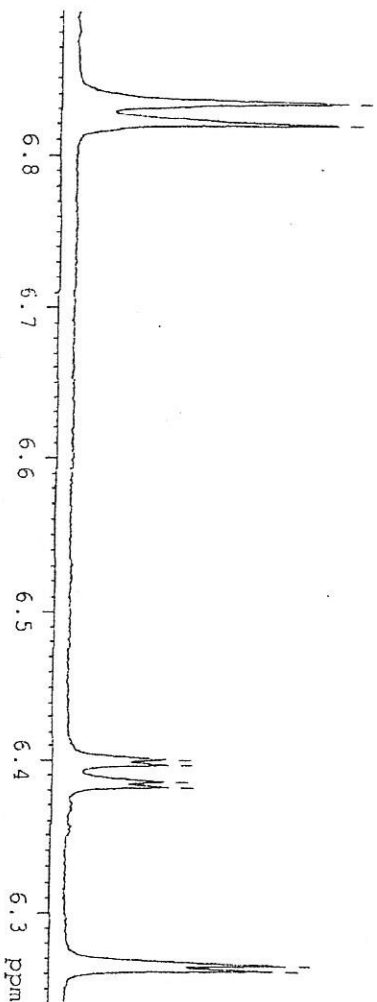
***** CHANNEL #1 *****
 NU01 1H 7.50 USEC
 S1 2.00 dB
 P11 6.6283448 W
 P11M 600.3345247 MHz
 SFO1

12 - Processing parameters
 S1 32765
 S2 600.3350114 MHz
 NDW EM
 SSR 0
 CR 0.30 Hz
 CB 0
 PC 1.00

6.835
 6.821

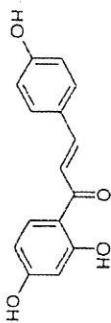
6.83
 6.82
 6.81
 6.80

6.26
 6.24





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Catalog No.: T-503
 Product name: 2',4',4'-Trihydroxycatalcone
 Lot No.: 0312197

ICG-14
 1H IN DMSO
 AVANCE-600

SOLVENT DMSO
 NS 21
 25 4
 26 10362.198 Hz
 27 0.057170 Hz
 FIDRES 1.4599455 sec
 A3 2050
 28 42.933 usec
 29 6.00 usec
 30 298.0 K
 31 1.5000000 sec
 32 1

***** CHANNEL f1 *****
 NUC1 1H 1H
 33 7.18 usec
 34 7.00 Hz
 35 6.6364449 Hz
 36 650.1245247 MHz
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