



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-501

Product Name: 2,2'-DIHYDROXYCHALCONE

CAS: [15131-80-3]

Lot Number: 0512109

Chemical Formula: C₁₅H₁₂O₃

Molecular Weight: 240.25

Melting Point: 162-164°C

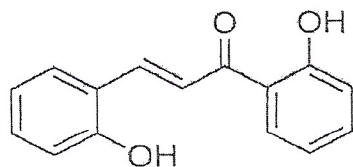
Appearance: Yellow crystalline powder

TLC: Hexane:Ethylacetate (7:3)

Solubility: Soluble in Chloroform

Storage: Cool dry place

Purity (HPLC): 99.61%





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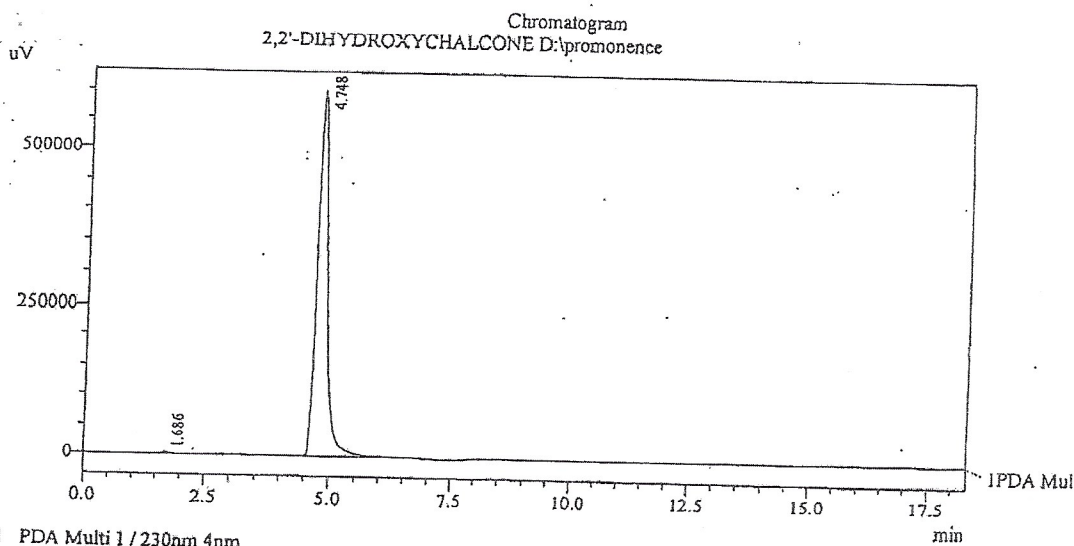
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HPLC ANALYSIS

Acquired by : Madhuri
Sample Name : 2,2'-DIHYDROXYCHALCONE
Sample ID : Lot No. : 0512109
Injection Volume : 20 uL
Data Filename : 180111E.lcd
Method Filename : Linear Isocratic.M.lcm

Cat. No.: D-501
Product name: 2,2'-Dihydroxychalcone
Lot No.: 0512109

Description:
Column : Inertsil C-18, 250X4.6mm 5.0µm
Flow : 1.000ML/min.
Mobile Phase : A(20% of 0.05% of TFA) B(80% of ACN)



1 PDA Multi 1 / 230nm 4nm

PeakTable

PDA Ch1 230nm 4nm

| Peak# | Ret. Time | Area | Height | Area % |
|-------|-----------|---------|--------|---------|
| 1 | 1.686 | 34851 | 3108 | 0.390 |
| 2 | 4.748 | 8901250 | 602033 | 99.610 |
| Total | | 8936101 | 605142 | 100.000 |



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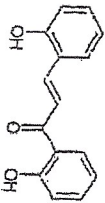
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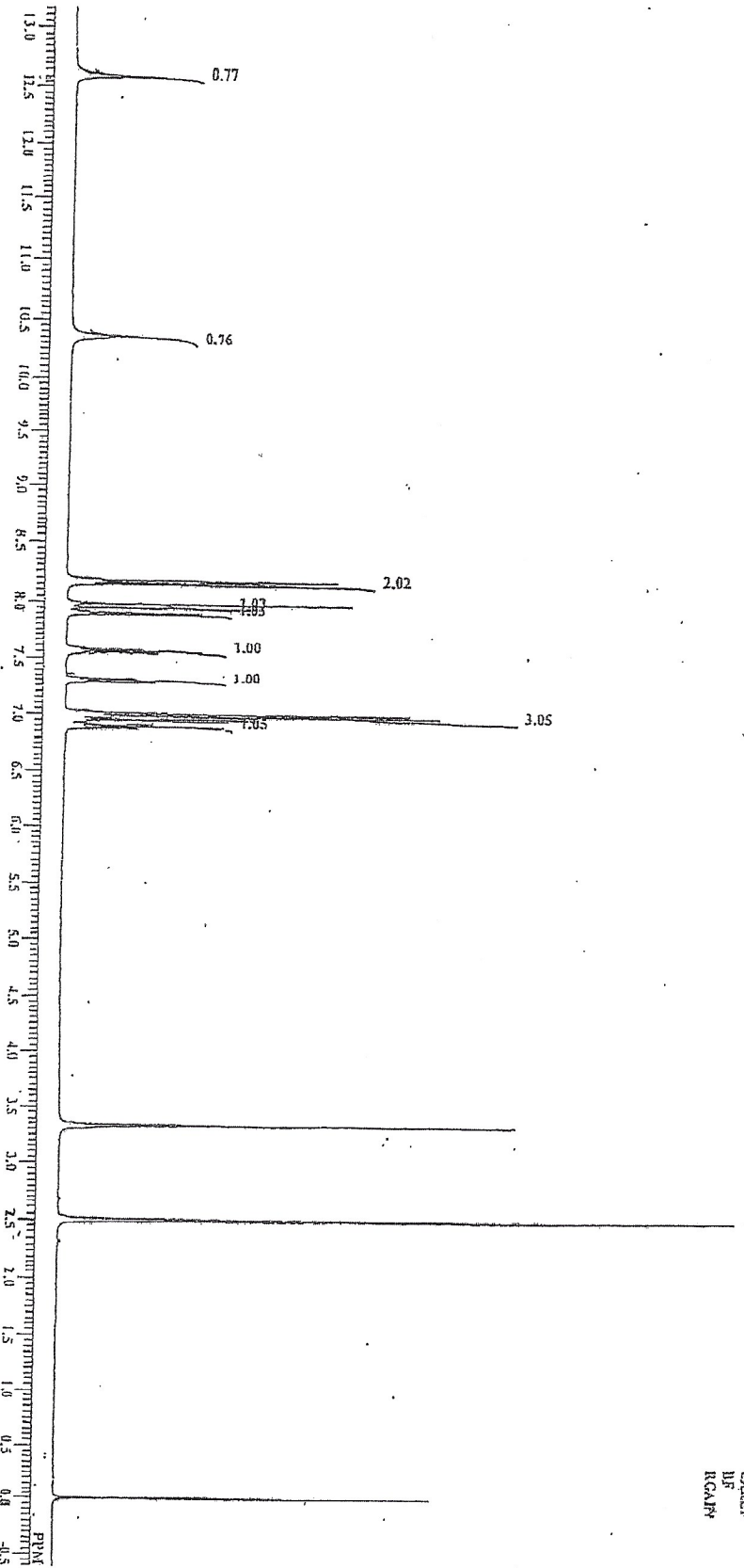
Cat. No.: D-501
Product name: 2,2'-Dihydroxychalcone
Lot No.: 0512109

2,2'-DHC 1H NMR DMSO-D6



2,2'-Dihydroxychalcone

| | |
|-------|----------------|
| FILE | 2,2'-DHCals |
| COMNT | 2,2'-DHC 1HNMR |
| EXMOD | NON |
| OPROQ | 299.65 MHz |
| QUSST | 124.00 kHz |
| QBFIN | 16300.00 Hz |
| POHRT | 65536 |
| FREQU | 299.201 MHz |
| SCANS | 8 |
| ACQTM | 8.2002 sec |
| TD | 1.0000 sec |
| PW | 5.60 usec |
| IRSDC | LH |
| CTEMP | 23.6 °C |
| SLVNT | DMSO |
| EXREF | 0.00 ppm |
| BF | 0.50 Hz |
| RGAIN | 18 |





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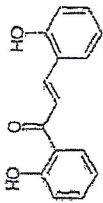
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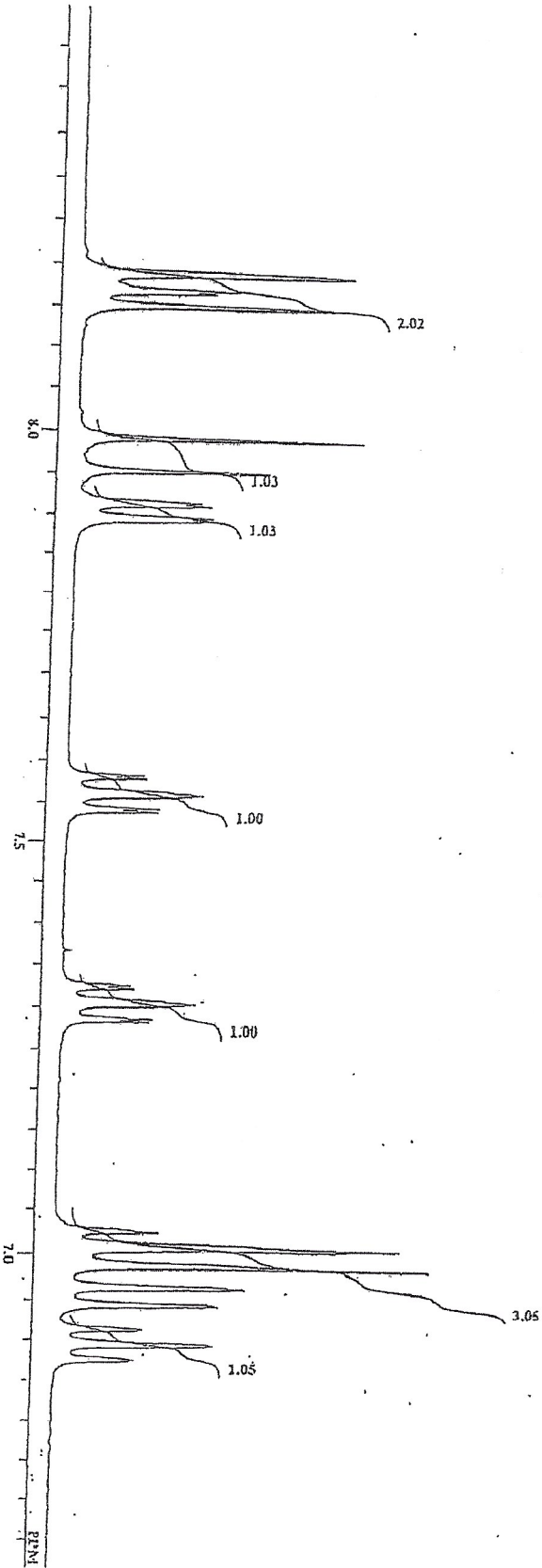
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Cat. No.: D-501
Product name: 2,2'-Dihydroxychalcone
Lot No.: 0512109
2,2'-DHC IR NMR DMSO-D6



2,2'-Dihydroxychalcone



| | |
|--------|-----------------|
| DIRLS | 2,2'-DHC.ir |
| CONST | 2,2'-DHC LI NMR |
| EXMOD | NON |
| ORFO | 399.65 MHz |
| ORSET | 134.00 KHz |
| ORPNT | 10500.00 Hz |
| ORPNT | 65536 |
| PRFQU | 7992.01 Hz |
| SCANS | 8 |
| ACQTM | 8.2102 sec |
| PD | 3.0900 sec |
| TWT | 5.60 msec |
| IRINDC | 111 |
| LTENP | 21.6 c |
| SLEWT | DMSO |
| EXLRF | 0.00 ppm |
| DF | 0.50 Hz |
| RGAIN | 18 |