



# 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](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

Cat No.: H-411

Product: 4'-HYDROXYFLAVONE

CAS Number: [4143-63-9]

Lot Number: 0112309

Chemical Formula: C<sub>15</sub>H<sub>10</sub>O<sub>3</sub>

Molecular Weight: 238.24

Melting Point: 273-276°C

Appearance: Off white powder

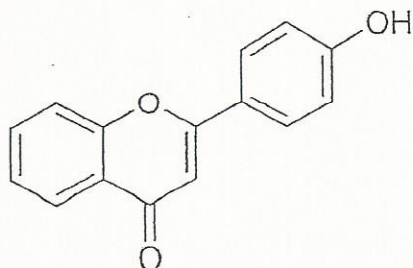
TLC: Hexane: Ethyl acetate (1:1)

Solubility: Soluble in DMSO

NMR Spectrum: Enclosed

Storage: Cool dry place

Purity(HPLC): 99.71%





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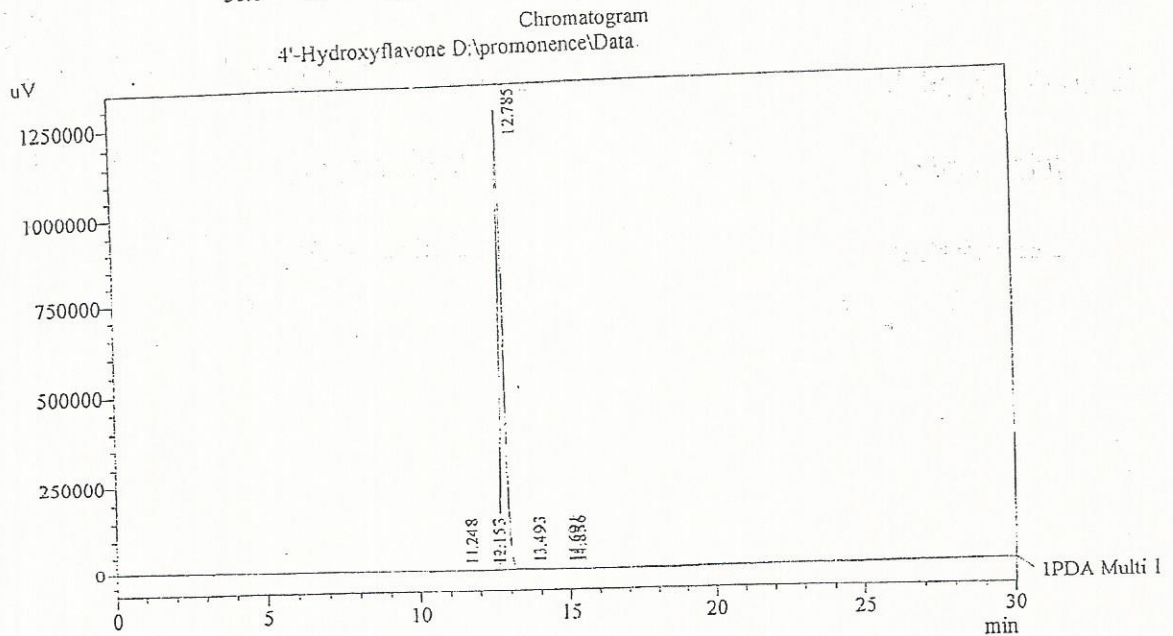
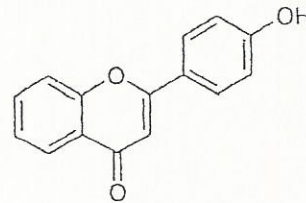
e-mail: chemical@indofinechemical.com

## HPLC ANALYSIS

Acquired by : Sanjeev  
 Sample Name : 4'-Hydroxyflavone  
 Sample ID : Lot No:-0112309  
 Injection Volume : 20 uL  
 Data Filename : 191012J.lcd  
 Method Filename : Linear Gradient.M.lcm

Catalog no.: H-411  
 Product name: 4'-Hydroxyflavone  
 Lot No.: 0112309

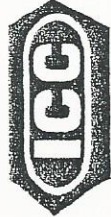
Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)  
 Flow : 1.000 mL/min.  
 Mobile Phase : A(0.05% TFA in water) B(Acetonitrile)  
 0.01 90 10  
 12.0 10 90  
 20.0 10 90  
 23.0 90 10  
 30.0 90 10



1 IPDA Multi 1 / 230nm 4nm

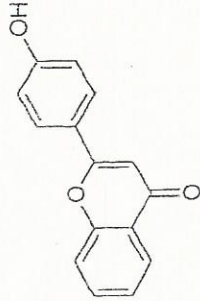
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.248	11.248	5333	0.04	0.88
2	RT:12.153	12.153	3459	0.03	0.95
3	4'-Hydroxyflavone	12.785	12478629	99.71	1.00
4	RT:13.493	13.493	6264	0.05	1.06
5	RT:14.691	14.691	3753	0.03	1.15
6	RT:14.856	14.856	17354	0.14	1.16
Total			12514792	100.00	



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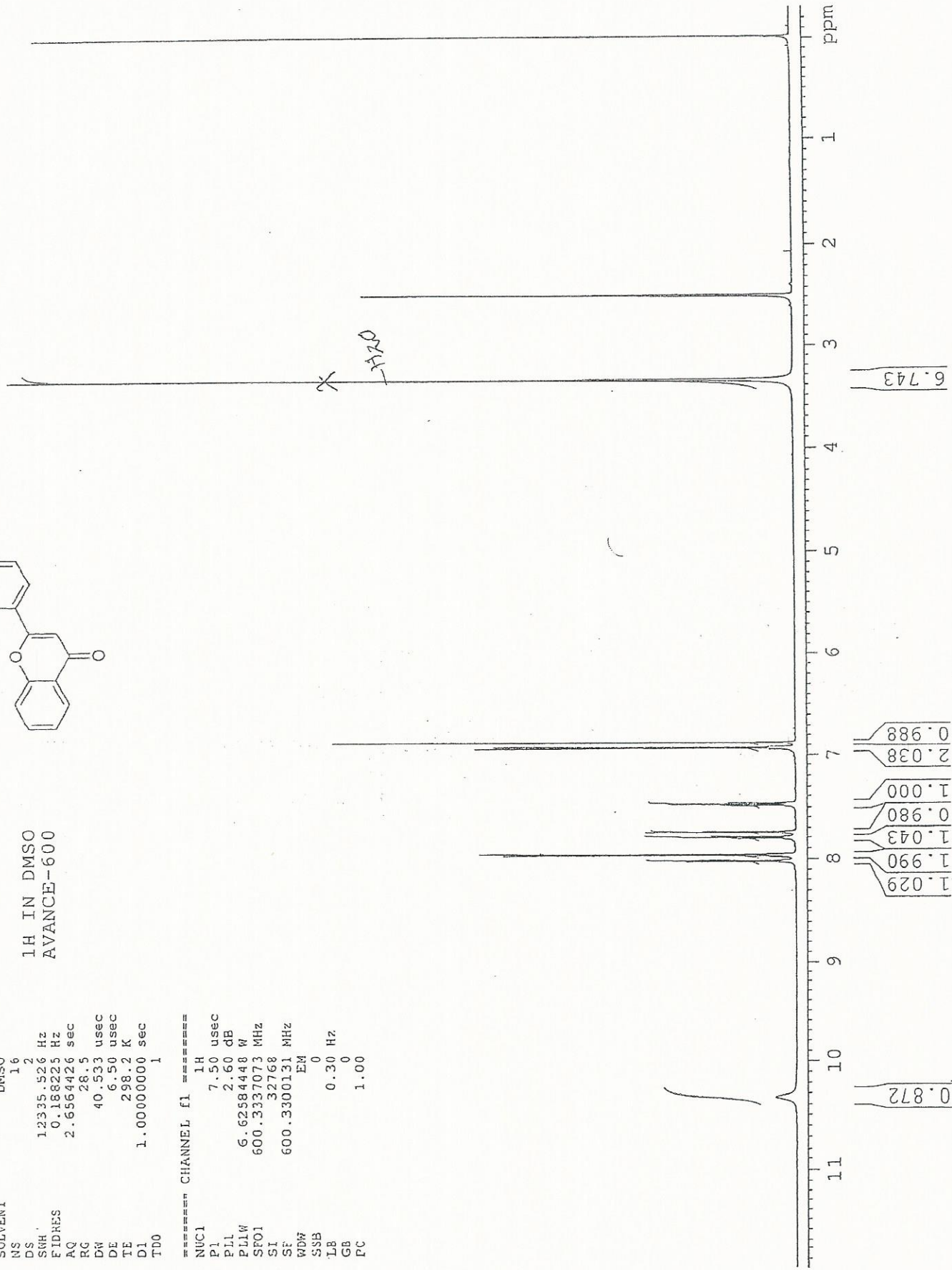
Catalog no.: H-411  
 Product name: 4-Hydroxyflavone  
 Lot No.: 0112309



1H IN DMSO  
 AVANCE-600

SOLVENT DMSO  
 NS 16  
 DS 2  
 SMH 12335.526 Hz  
 FIDRES 0.188225 Hz  
 AQC 2.6564426 sec  
 RG 28.5  
 DRW 40.533 usec  
 DE 6.50 usec  
 TE 298.2 K  
 D1 1.00000000 sec  
 TDO 1

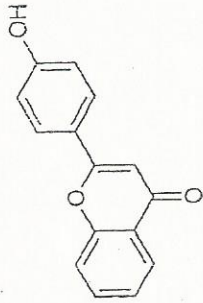
\*\*\*\*\* CHANNEL f1 \*\*\*\*\*  
 NUC1 1H  
 P1 7.50 usec  
 PL1 2.60 dB  
 PL1W 6.62584448 W  
 SF01 600.3337073 MHz  
 SI 32768  
 SF 600.3300131 MHz  
 EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00







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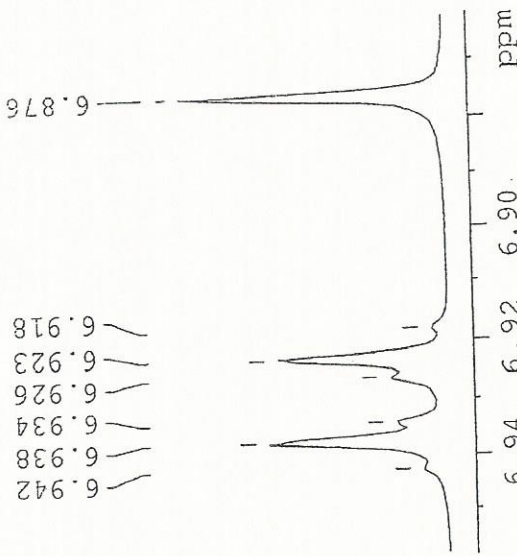


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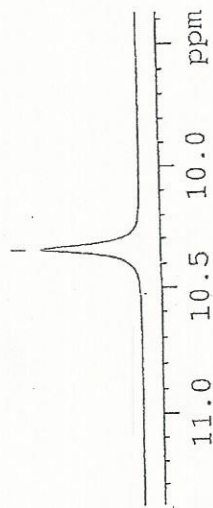
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 D1 1.0000000 sec  
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1H IN DMSO  
 AVANCE-600

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 PL1 2.60 dB  
 PL1W 6.62584448 W  
 SF01 600.3337073 MHz  
 SI 32768  
 SE 600.3300131 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00



10.337



7.485  
 7.484  
 7.472  
 7.461  
 7.459

7.817  
 7.814  
 7.805  
 7.803  
 7.801  
 7.792  
 7.789  
 7.752  
 7.751  
 7.738  
 7.737

8.028  
 8.025  
 8.015  
 8.012  
 7.977  
 7.972  
 7.969  
 7.961  
 7.957  
 7.952

