



# 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.: 22-364

Product: 4'-HYDROXY-6-METHYLFLAVONE

CAS Number: [288401-04-7]

Lot Number: 1212274

Chemical Formula: C<sub>16</sub>H<sub>12</sub>O<sub>3</sub>

Molecular Weight: 252.27

Melting Point: 240-242°C

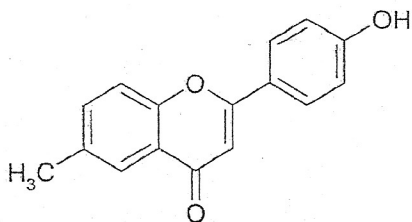
Appearance: Off white powder

Solubility: Soluble in DMSO

TLC: Chloroform:Methanol (9:1)

Storage: Cool, dry place

Purity(HPLC): 99.92%





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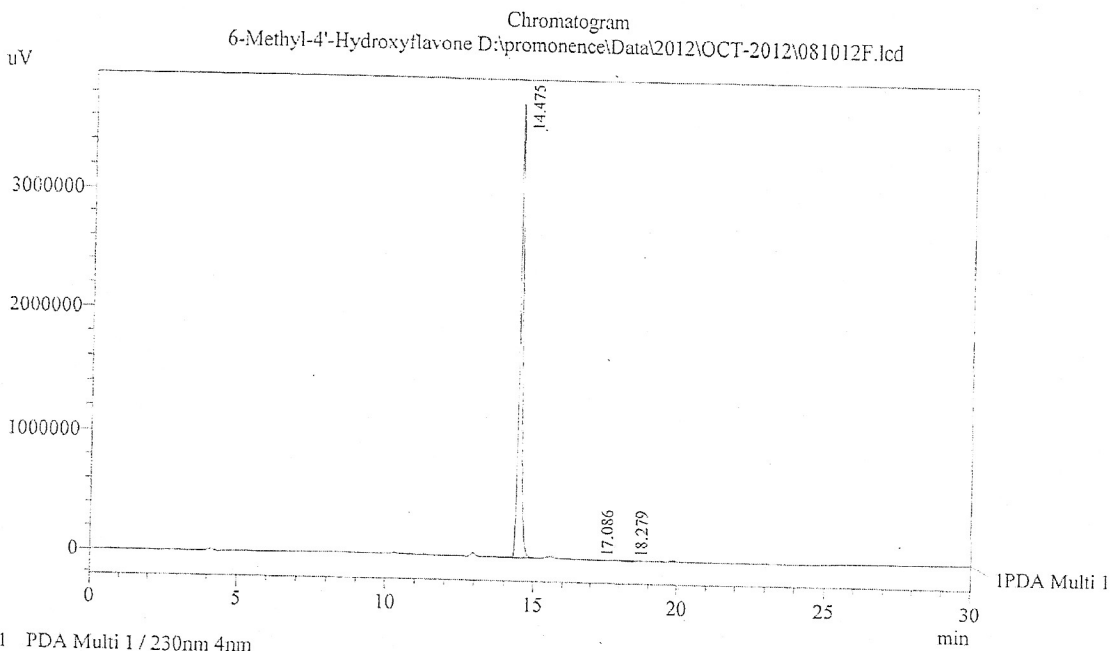
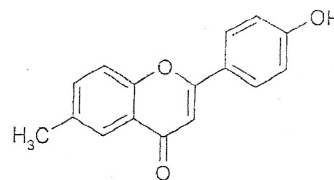
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 6-Methyl-4'-Hydroxyflavone  
Sample ID : 45gm Lot(Herborganics)  
Injection Volume : 20 uL  
Data Filename : 081012F.lcd  
Method Filename : Linear Gradient.M.lcm

Catalog no.: 22-364  
Product name: 4'-Hydroxy-6-methylflavone  
Lot No.: 1212274

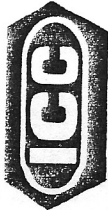
Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)  
Flow : 1.000 mL/min.  
Mobile Phase : A(0.05% TFA in water) B(Acetonitrile)  
0.01 90 10  
12.0 10 90  
20.0 10 90  
23.0 90 10  
30.0 90 10



PDA Ch1 230nm 4nm

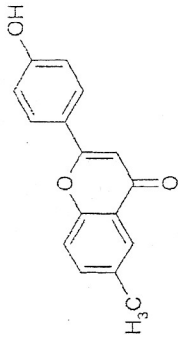
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	6-Methyl-4'-Hydroxyflavone	14.475	27505433	99.92	1.00
2	RT:17.086	17.086	14407	0.05	1.18
3	RT:18.279	18.279	6449	0.02	1.26
Total			27526289	100.00	



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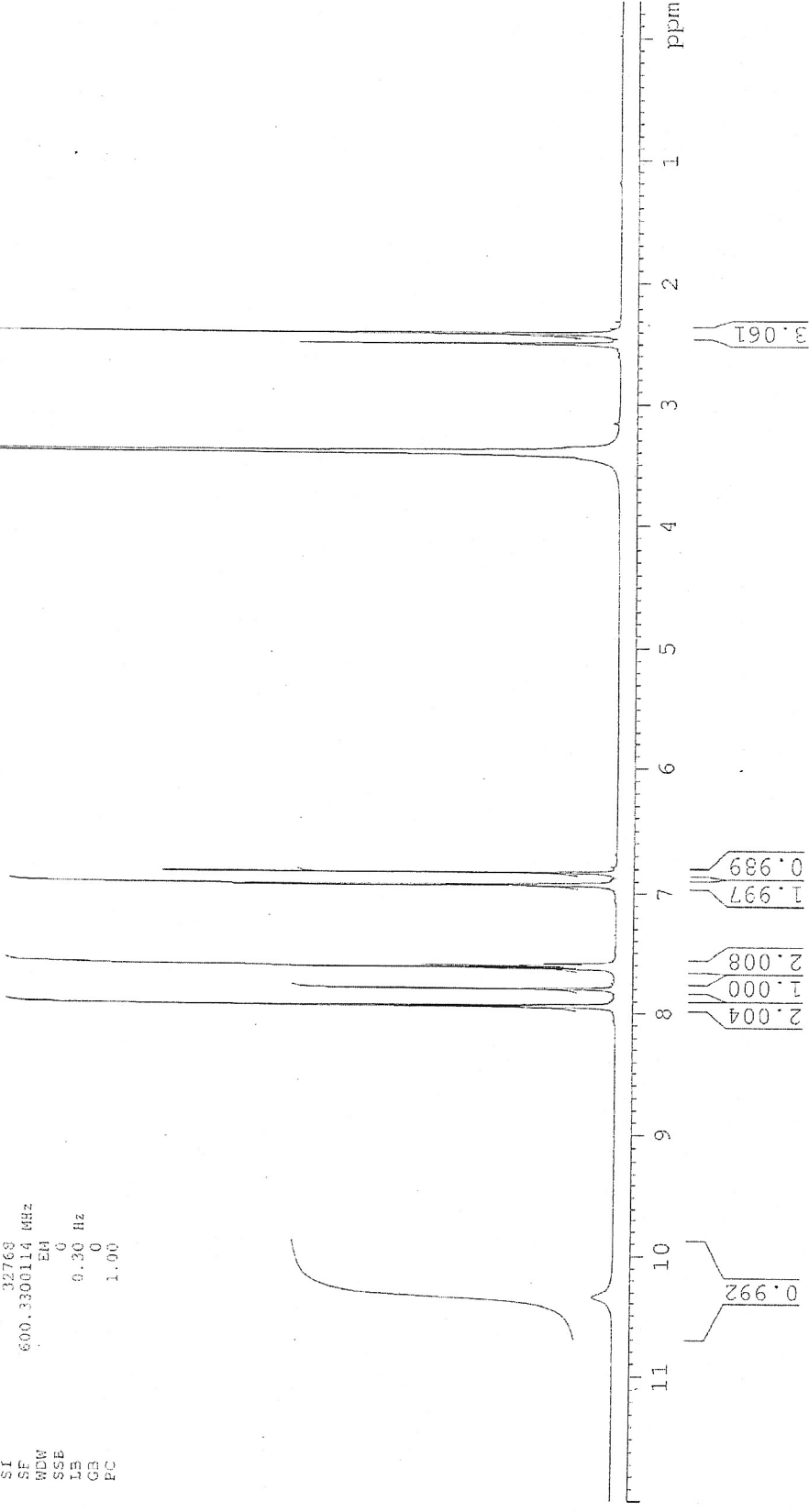
Catalog no.: 22-364  
 Product name: 4'-Hydroxy-6-methylflavone  
 Lot No.: 1212274



KM-13  
 1H IN DMSO  
 AVANCE-600

SOLVENT DMSO  
 NS 0  
 DS 0  
 SWH 13020.333 Hz  
 FIDRES 0.434057 Hz  
 AQ 1.1519732 sec  
 RG 32  
 DW 38.400 usec  
 DE 6.00 usec  
 TE 298.2 K  
 DI 1.5600000 sec  
 ID0 1

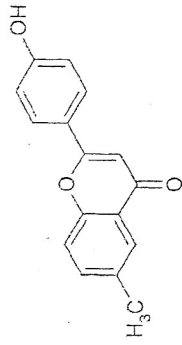
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 NUC1 1H  
 P1 7.50 usec  
 PL1 2.60 dB  
 PL1W 6.62584448 W  
 SF01 600.3334650 MHz  
 SI 32768  
 SF 600.3300114 MHz  
 WDW EH  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00





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Catalog no.: 22-364  
Product name: 4'-Hydroxy-6-methylflavone  
Lot No.: 1212274



SOLVENT DMSO  
NS 6  
DS 0  
SWH 13020.833 Hz  
FIDRES 0.434057 Hz  
AQ 1.1519732 sec  
RG 32  
DR 38.400 usec  
DE 6.00 usec  
TE 298.2 K  
OI 1.50000000 sec  
TDG 1

KM-13  
1H IN DMSO  
AVANCE-600

===== CHANNEL F1 =====  
NUC1 1H  
P1 7.50 usec  
PL1 2.60 dB  
PL1W 6.62384448 W  
SFO1 500.3334650 MHz  
SI 32768  
SF 600.3300114 MHz  
REF EM  
SC6 0  
LB 0.30 Hz  
GE 0  
PC 1.00

