



# 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

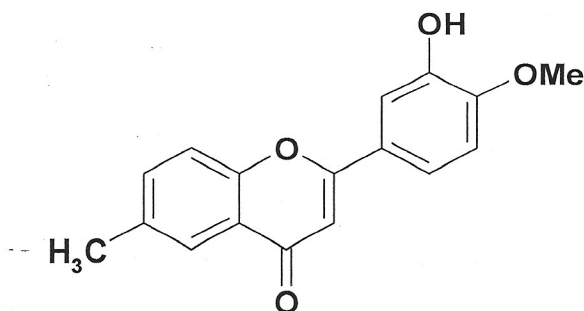
website: [www.indofinechemical.com](http://www.indofinechemical.com)

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

## CERTIFICATE OF ANALYSIS

Cat No.: 22-407

<u>Product:</u>	<b>3'-HYDROXY-6-METHYL-4'-METHOXYFLAVONE</b>
<u>Lot Number:</u>	1212275
<u>Chemical Formula:</u>	C <sub>17</sub> H <sub>14</sub> O <sub>4</sub>
<u>Molecular Weight:</u>	282.30
<u>Melting Point:</u>	192-194°C
<u>Appearance:</u>	Pale yellow fluffy powder
<u>Solubility:</u>	Soluble in Chloroform
<u>TLC:</u>	Hexane : Ethyl acetate (7:3)
<u>NMR Spectrum:</u>	Enclosed
<u>Storage:</u>	Cool dry place
<u>Purity (HPLC):</u>	99.65%





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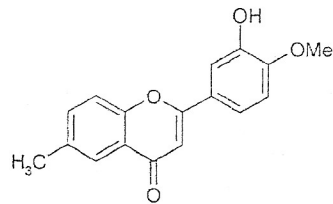
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 3'-Hydroxy-6-methyl-4'-methoxyflavone  
Sample ID : 18gm Lot  
Injection Volume : 20 uL  
Data Filename : 091012L.lcd  
Method Filename : Linear Gradient.M.lcm

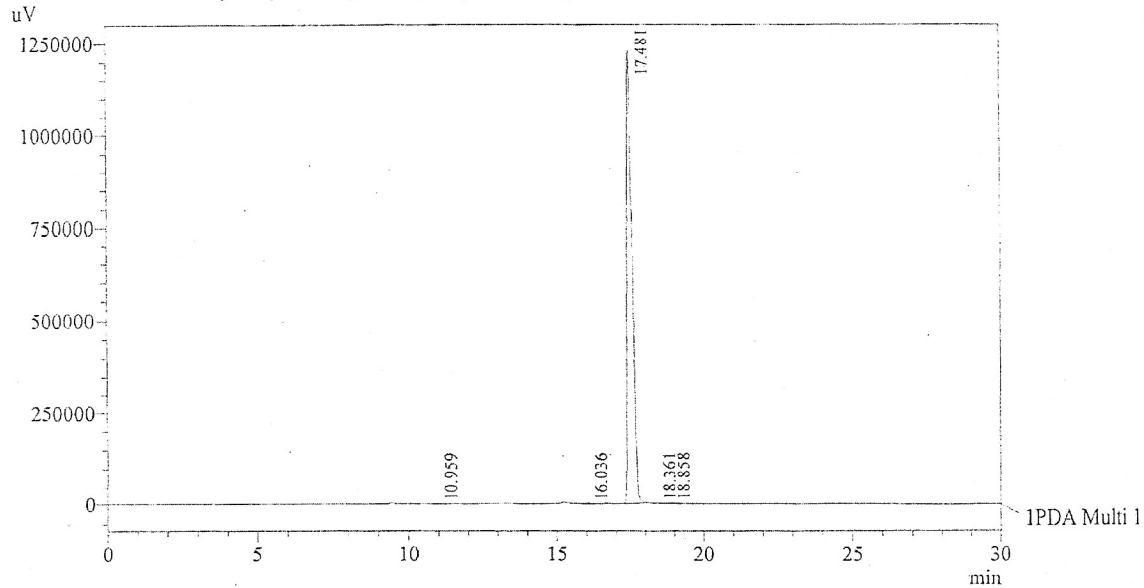
Catalog No.: 22-407  
Product name: 3'-Hydroxy-6-methyl-4'-methoxyflavone  
Lot No.: 1212275

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



Chromatogram

3'-Hydroxy-6-methyl-4'-methoxyflavone D:\promonence\Data\2012\OCT-2012\091012L.lcd



1 PDA Multi 1 / 254nm 4nm

PeakTable

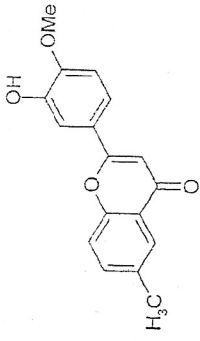
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:10.959	10.959	11030	0.07	0.63
2	RT:16.036	16.036	3813	0.03	0.92
3	3'-OH-6-CH3-4'-methoxyfl	17.481	14739818	99.65	1.00
4	RT:18.361	18.361	15091	0.10	1.05
5	RT:18.858	18.858	22423	0.15	1.08
Total			14792175	100.00	



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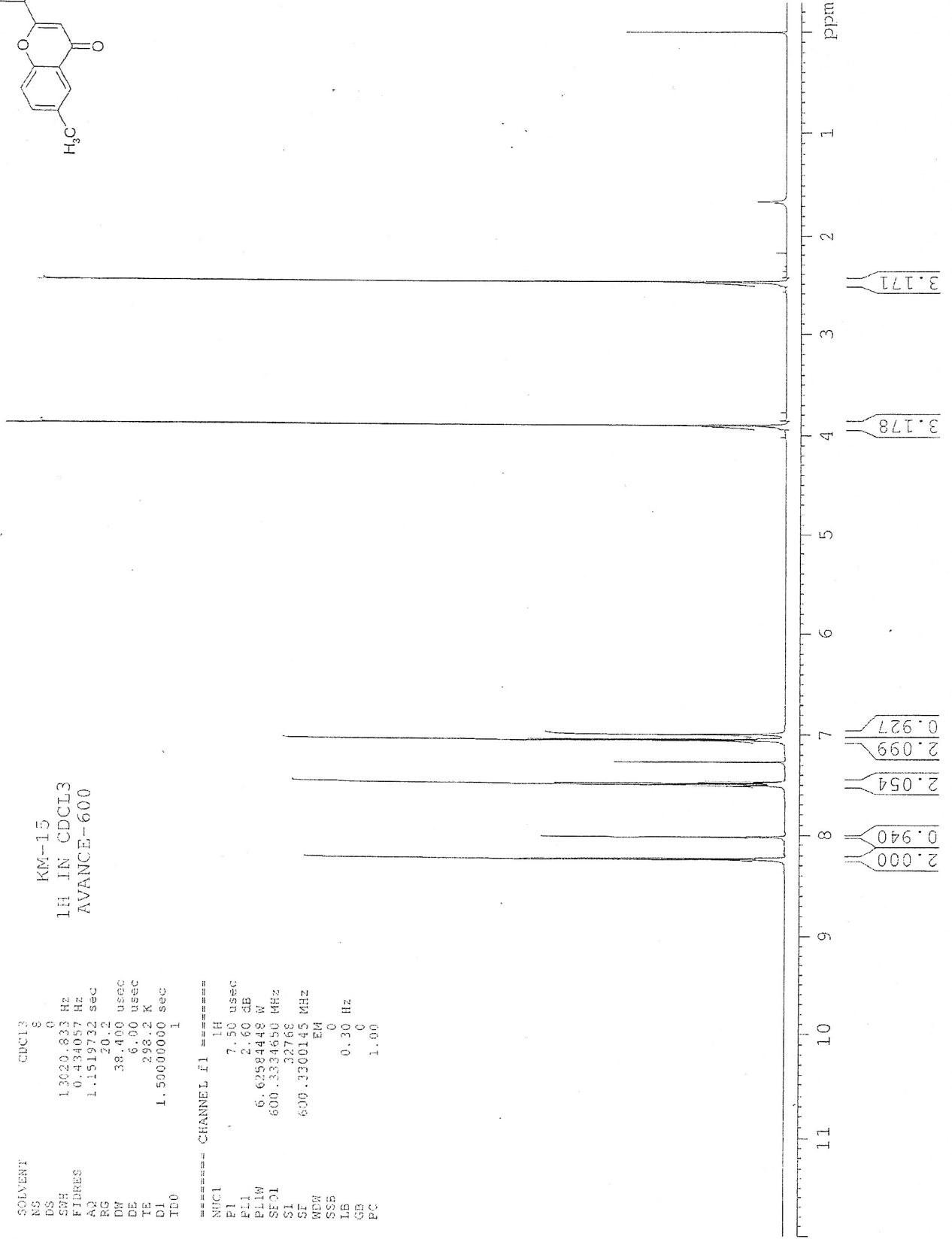
Catalog No.: 22-407  
 Product name: 3-Hydroxy-6-methyl-4-methoxyflavone  
 Lot No.: 12-12275



KM-15  
 LH IN CDCL3  
 AVANCE-600

SOLVENT CDCL3 8  
 NS 0  
 DS 0  
 SWH 13020.823 Hz  
 FIDRES 0.434057 Hz  
 AQ 1.1519732 sec  
 RG 20.2  
 DW 38.400 usec  
 DE 6.00 usec  
 TE 298.2 K  
 DI 1.50000000 sec  
 TD0 1

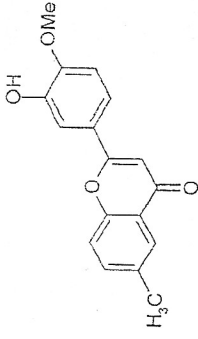
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 NUC1 1H  
 P1 7.50 usec  
 PL1 2.60 dB  
 PL1W 6.62584448 W  
 SF01 600.3334850 MHz  
 S1 32768  
 SF 600.3300145 MHz  
 EM 0  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00





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 Lot No.: 1212275



KM-15  
 1H IN CDCL3  
 AVANCE-600

SOLVENT CDCL3  
 NS 8  
 DS 0  
 SMH 13020.833 Hz  
 FIDRES 0.434057 Hz  
 AQ 1.1519732 sec  
 RG 20.2  
 DW 38.400 usec  
 DE 6.00 usec  
 TE 298.2 K  
 D1 1.5000000 sec  
 TD0 1

\*\*\*\*\* CHANNEL f1 \*\*\*\*\*  
 NUC1 1H  
 P1 7.50 usec  
 PL1 2.80 dB  
 PL1W 6.6258448 W  
 SF01 600.3334650 MHz  
 S1 32.768  
 SF 600.3300145 MHz  
 NDW EM  
 SSB 0  
 LE 0.30 Hz  
 GE 0  
 PC 1.00

