

 **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**

Catalog Number: H-425

Product: 7-HYDROXY-2'-METHOXYFLAVONE

Lot Number: 000205

Chemical Formula: C<sub>16</sub>H<sub>12</sub>O<sub>4</sub>

Molecular Weight: 268.27

Melting Point: 267-269°C

Appearance: Fluffy cream powder

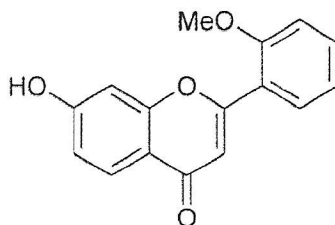
Solubility: Soluble in DMSO

TLC: Chloroform: Methanol (9:1)

NMR Spectrum: Enclosed (Conforms to the Structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.38%





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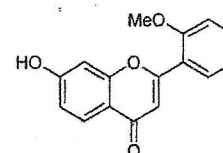
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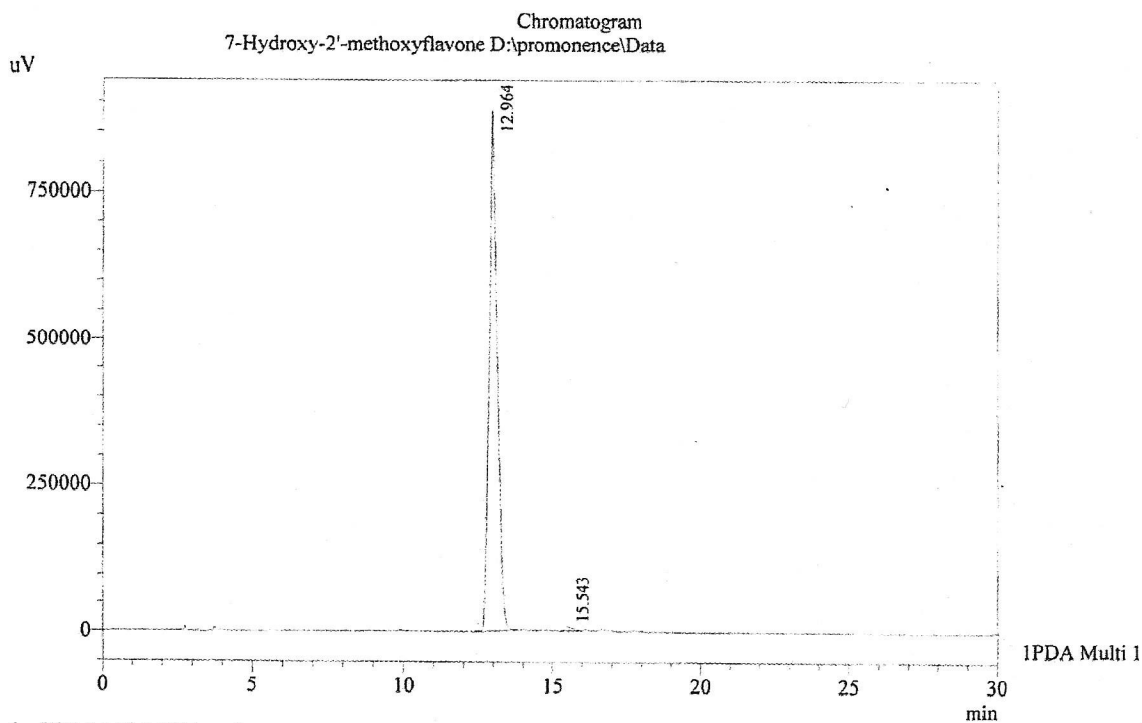
## HPLC ANALYSIS

Acquired by : Sanjeev  
 Sample Name : 7-Hydroxy-2'-methoxyflavone  
 Sample ID : Lot No: 000205  
 Injection Volume : 20 uL  
 Data Filename : 030314L.lcd  
 Method Filename : Linear Gradient.M.lcm

Catalog No.: H-425  
 Product Name: 7-Hydroxy-2'-methoxyflavone  
 Lot No.: 000205



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  
 Diluent : Methanol



1 PDA Multi 1 / 254nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	7-OH-2'-methoxyflavone	12.964	16529872	99.38	1.00
2	RT:15.543	15.543	103670	0.62	1.20
Total			16633543	100.00	



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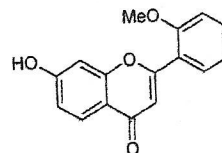
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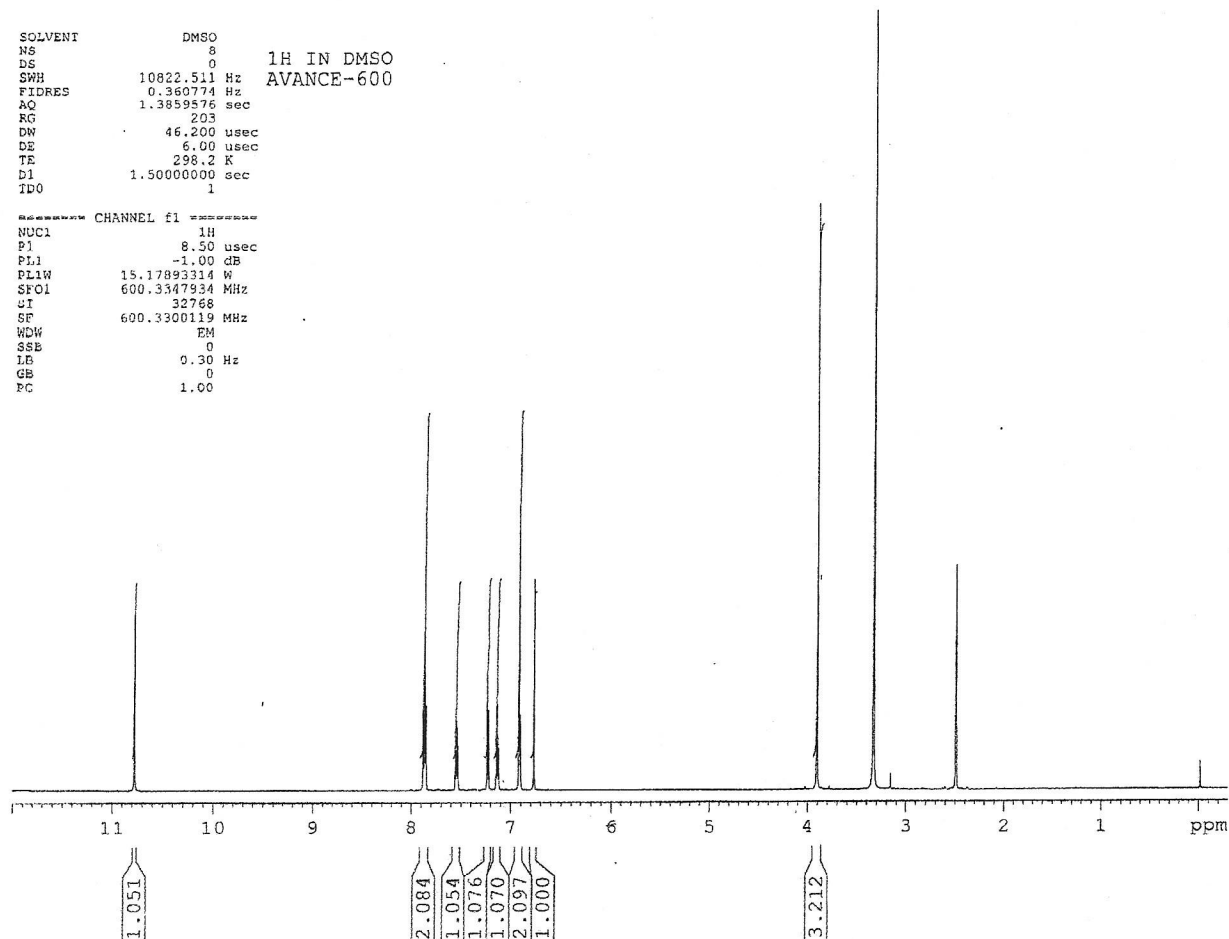
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Product Name: 7-Hydroxy-2'-methoxyflavone  
Lot No.: 000205



SOLVENT DMSO  
NS 8 1H IN DMSO  
DS 0 AVANCE-600  
SWH 10822.511 Hz  
FIDRES 0.360774 Hz  
AQ 1.3859576 sec  
RG 203  
DW 46.200 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.5000000 sec  
TD0 1

----- CHANNEL f1 -----  
NUC1 1H  
P1 8.50 usec  
PL1 -1.00 dB  
PL1W 15.17893314 W  
SFO1 600.3347934 MHz  
SI 32768  
SF 600.3300119 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
EC 1.00





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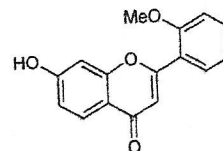
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Product Name: 7-Hydroxy-2'-methoxyflavone  
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NS 8  
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FIDRES 0.360774 Hz  
AQ 1.3859576 sec  
RG 203  
DW 46.200 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.5000000 sec  
TDO 1

\*\*\*\*\* CHANNEL f1 \*\*\*\*\*  
NUC1 1H  
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PL1 -1.00 dB  
PL1W 15.17893314 W  
SFO1 600.3347934 MHz  
SI 32768  
SF 600.3300119 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00

