

**ICG** **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: 021095

Product Name: **5-HYDROXY-7-METHOXYFLAVANONE**  
(Pinocembrin-7-methylether; Pinostrobin)

CAS Number: [480-37-5]

Lot Number: 0312212

Chemical Formula: C<sub>16</sub>H<sub>14</sub>O<sub>4</sub>

Molecular Weight: 270.29

Melting Point: 99-100°C

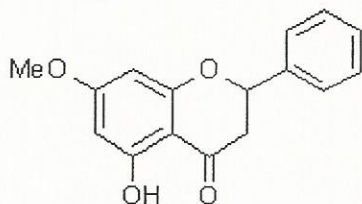
Appearance: White powder

Solubility: Soluble in Chloroform

TLC: Chloroform:Methanol (9.5:0.5)

Storage: Store in a cool, dry place

Purity(HPLC): 99.43%





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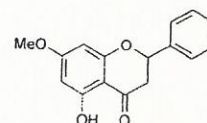
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e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

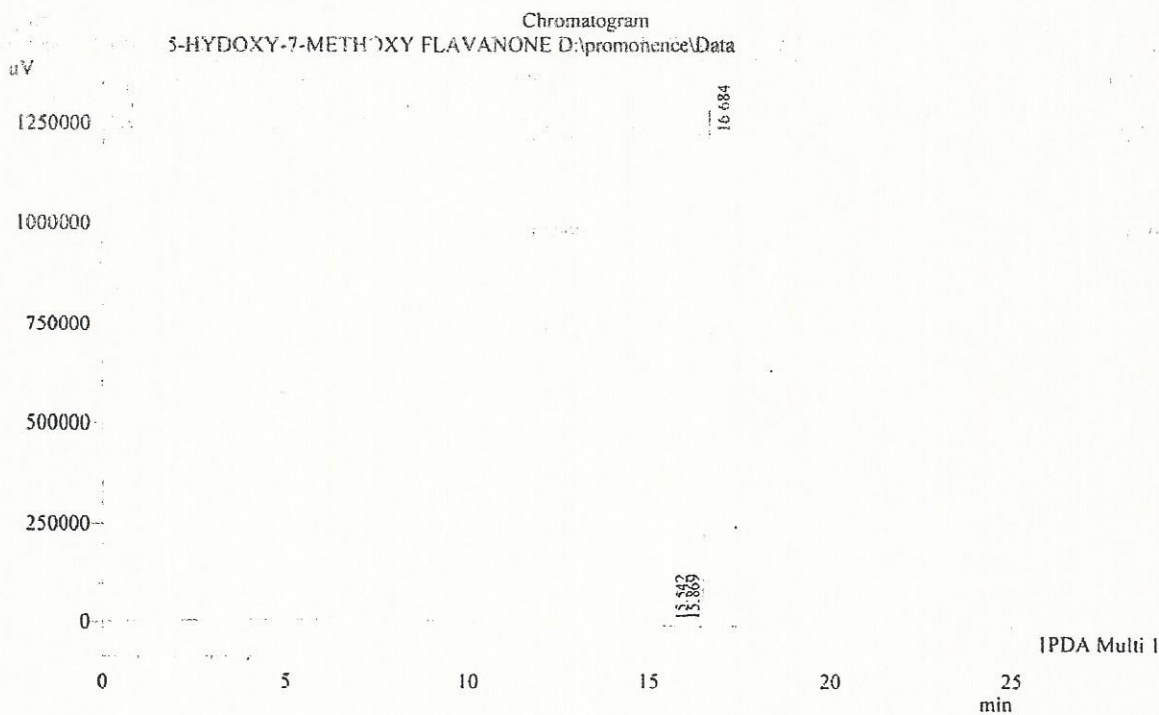
## HPLC ANALYSIS

Acquired by : Admin  
 Sample Name : 5-HYDOXY-7-METHOXY FLAVANONE  
 Sample ID : Lot No:0312212  
 Injection Volume : 20 uL  
 Data Filename : 301015C.lcd  
 Method Filename : Linear Gradient.M.lcm

Catalog No.: 021095  
 Product Name: 5-Hydroxy-7-methoxyflavanone  
 Lot No.: 0312212



Column : Gemini 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  
 25.0 90 10



1 PDA Multi 1 / 230nm 4nm

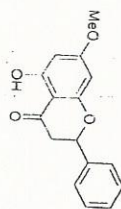
### PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:15.542	15.542	24496	0.17	0.93
2	RT:15.869	15.869	57337	0.40	0.95
3	5-Hydroxy-7-methoxyflavo	16.684	14334886	99.43	1.00
Total			14416719	100.00	



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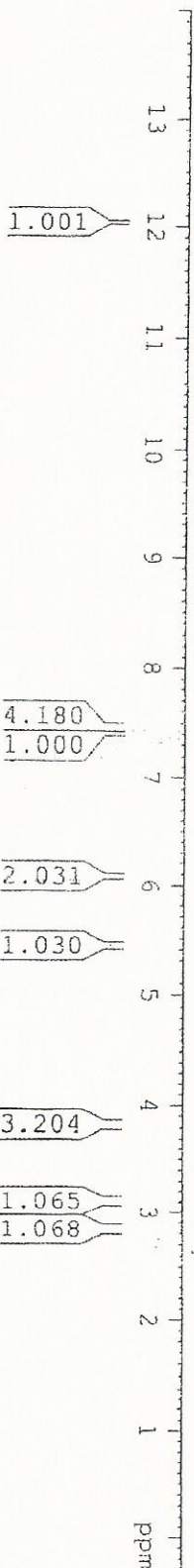


Catalog No.: 021095  
Product Name: 5-Hydroxy-7-methoxyflavanone  
Lot No.: 0312212

SOLVENT CDCl3  
NS 8  
DS 0  
SWH 11094.675 Hz  
FIDRES 0.333254 Hz  
AQ 1.4999588 sec  
RG 25.0  
DM 45.067 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.50000000 sec  
TD0 1

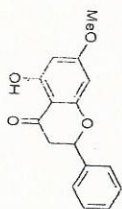
\*\*\*\*\* CHANNEL #1 \*\*\*\*\*  
NUC1 1H  
P1 7.50 usec  
PL1 2.97 dB  
PL1W 5.09174909 W  
SF01 609.3346850 MHz  
S1 32768  
SF 609.3346137 MHz  
MFM 0 EM  
SSR 0  
LB 91.20 Hz  
GB 0  
PC 1.00

1H IN CDCl3  
AVANCE-600





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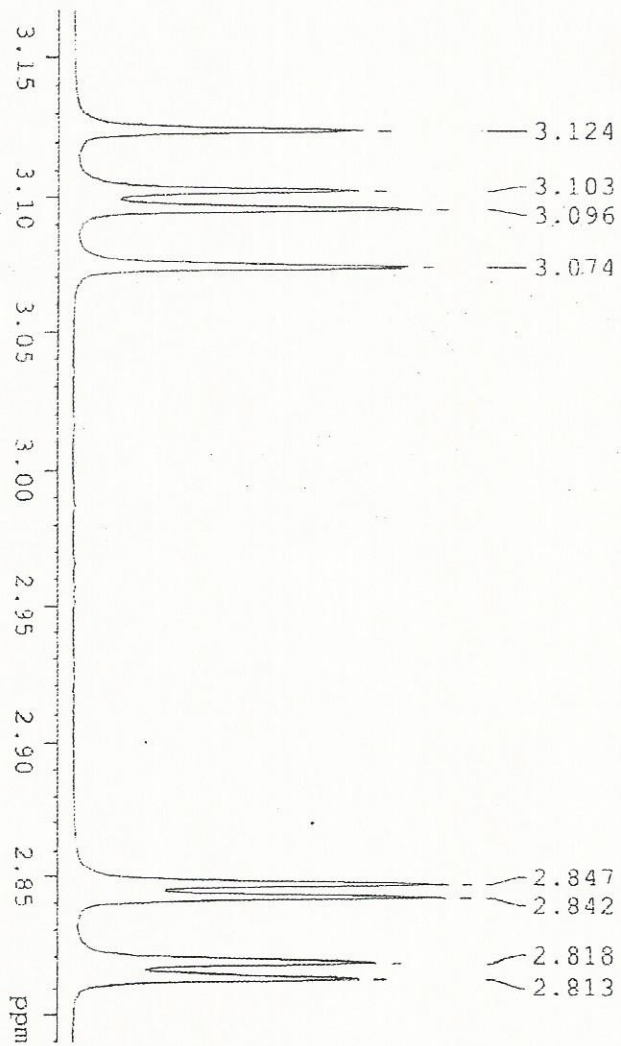


Catalog No.: 021095  
 Product Name: 5-Hydroxy-7-methoxyflavanone  
 Lot No.: 0312212

SOLVENT CDCl3  
 NS 8  
 DS 0  
 SMH 11091.675 Hz  
 FIDRES 0.333354 Hz  
 AQ 1.4999598 sec  
 RS 25.4  
 DW 45.067 usec  
 DE 5.00 usec  
 TE 298.2 K  
 D1 1.50000000 sec  
 TD0 1

\*\*\*\*\* CHANNEL f1 \*\*\*\*\*  
 NUC1 1H  
 P1 7.50 usec  
 P11 2.97 dB  
 P111 6.0912839 W  
 PULW 500.3346859 MHz  
 SFO1 32768  
 SI 500.3300127 MHz  
 SW 0  
 MWD 0  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.09

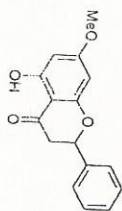
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SOLVENT CDCL3  
 NS 8  
 DS 0  
 SWH 11094.675 Hz  
 FIDRES 0.333354 Hz  
 AQ 1.4899588 sec  
 RG 25.4  
 DW 45.067 usec  
 DE 6.00 usec  
 TE 298.2 K  
 D1 1.50000000 sec  
 TD0 1

1H IN CDCL3  
 AVANCE-600

CHANNEL F1  
 NUCL 1H  
 P1 7.50 usec  
 PL1 2.97 dB  
 PL1W 6.09128809 W  
 SFOL 600.334850 MHz  
 S1 12768  
 SF 600.3300137 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00

- 7.475
- 7.472
- 7.461
- 7.459
- 7.455
- 7.452
- 7.443
- 7.430
- 7.413
- 7.410
- 7.407
- 7.403
- 7.399
- 7.387

7.263

- 5.445
- 5.440
- 5.423
- 5.418

- 6.088
- 6.085
- 6.074
- 6.070

