



# 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: 22-201

Product Name: **3-HYDROXY-7,2',4'-TRIMETHOXYFLAVONE**

Lot Number: 98083

Chemical Formula: C<sub>18</sub>H<sub>16</sub>O<sub>6</sub>

Molecular Weight: 328.33

Melting Point: 205-206°C

Appearance: Off white powder

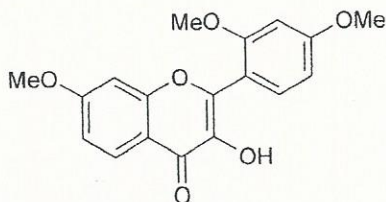
Solubility: Soluble in Chloroform

TLC: n-Hexane : Ethyl acetate (1:1)

NMR Spectrum: Enclosed (Conforms to the structure)

Storage: Store in cool, dry place

Purity (HPLC): 99.52%





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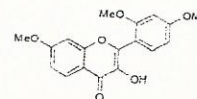
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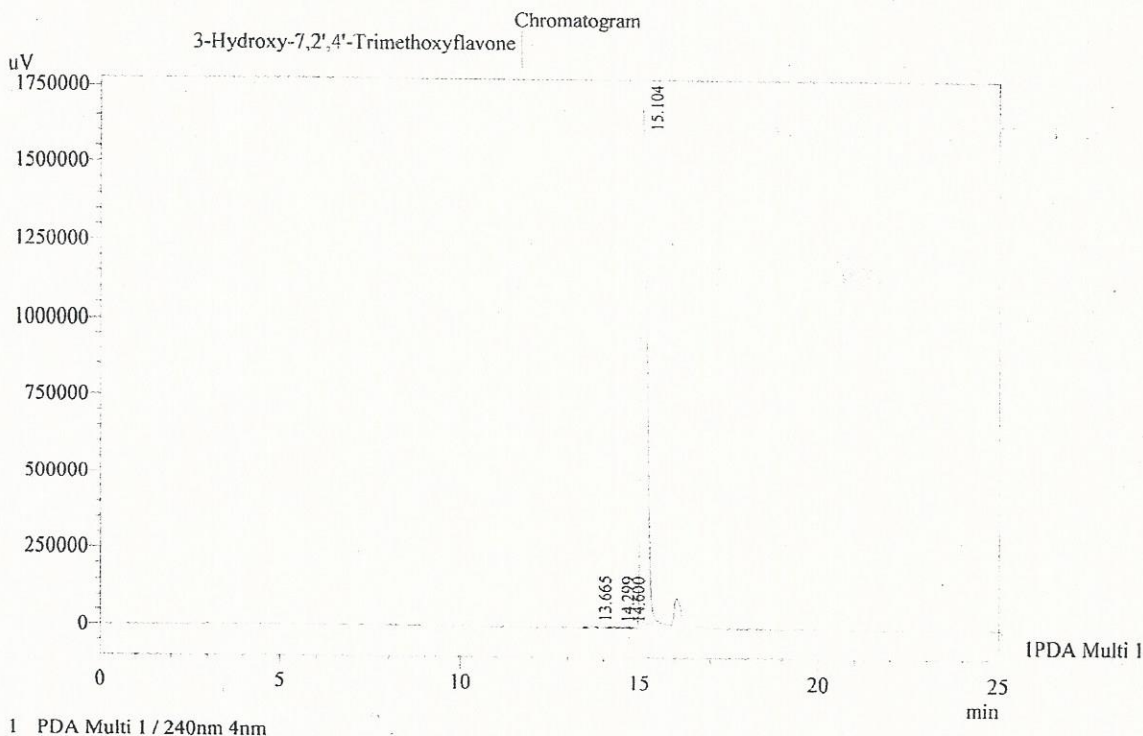
## HPLC ANALYSIS

Acquired by : Admin  
 Sample Name : 3-Hydroxy-7,2',4'-Trimethoxyflavone  
 Sample ID : Lot No: 98083  
 Injection Volume : 20 uL  
 Data Filename : 071015C.lcd  
 Method Filename : Linear Gradient.M.lcm

Catalog No.: 22-201  
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 Lot No.: 98083



Column : LUNA C-18, (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  
 Diluent : Acetonitrile

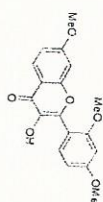


PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:13.656	13.665	43852	0.23	0.90
2	RT:14.314	14.299	31138	0.16	0.95
3	RT:14.600	14.600	16150	0.09	0.97
4	3-OH-7,2',4'-Triome flavon	15.104	18824359	99.52	1.00
Total			18915500	100.00	



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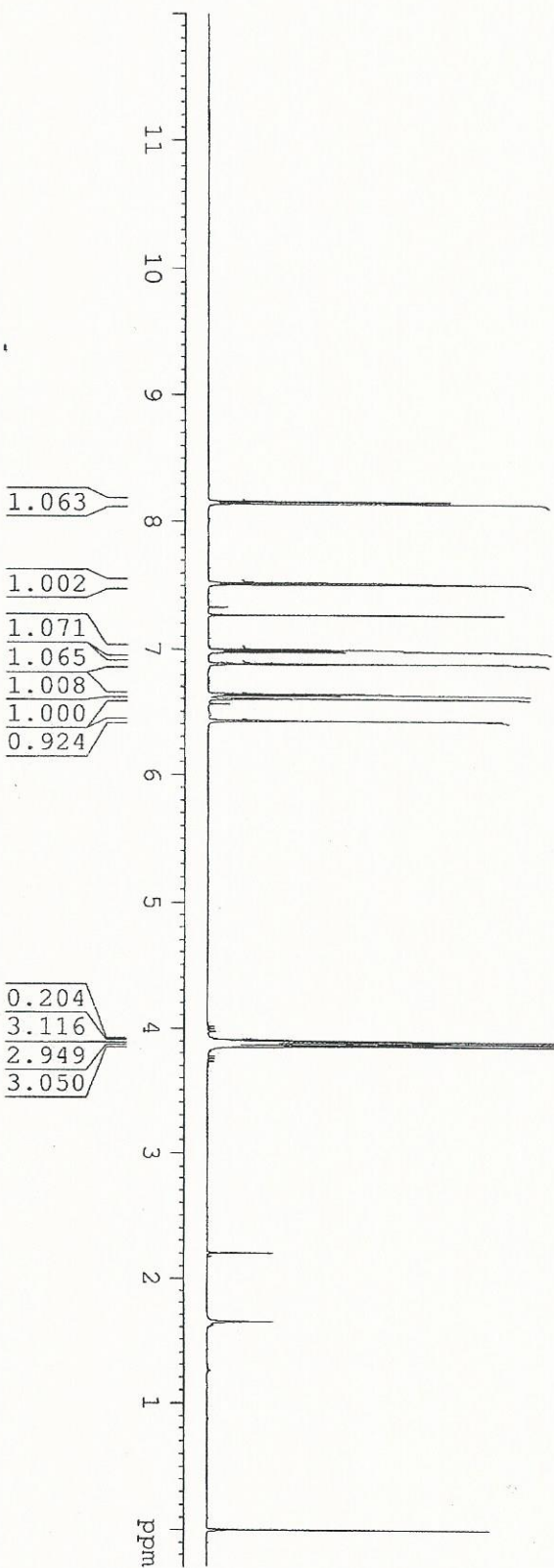


Catalog No.: 22-201  
 Product Name: 3-Hydroxy-7,2',4'-trimethoxyflavone  
 Lot No.: 98083

1H IN CDCl3  
 AVANCE-600

SOLVENT CDCl3  
 NS 8  
 DS 0  
 SWH 11094.675 HZ  
 FIDRESS 0.369847 HZ  
 AQ 1.3519598 sec  
 RG 64  
 DW 45.067 usec  
 DE 6.00 usec  
 TE 298.2 K  
 DI 1.50000000 sec  
 ID0 1

===== CHANNEL f1 =====  
 NUCl 1H  
 P1 7.50 usec  
 PL1 2.60 dB  
 PL1W 6.62584448 W  
 SFO1 600.324659 MHz  
 SI 327.68  
 SF 600.3300134 MHz  
 WDW EM  
 SSR 0  
 LB 0.30 HZ  
 GB 0  
 PC 1.00

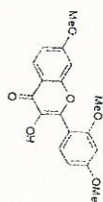






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SOLVENT CDCL3  
 NS 8  
 DS 0  
 SMH 11094.675 Hz  
 FIDRES 0.369847 Hz  
 AQ 1.3519598 sec  
 RG 64  
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 DE 6.00 usec  
 TE 298.2 K  
 D1 1.50000000 sec  
 TD0 1

===== CHANNEL F1 =====  
 NUC1 1H  
 P1 7.50 usec  
 PL1 2.60 dB  
 PL1V 6.62584448 W  
 SFO1 600.3346850 MHz  
 SI 32766  
 SF 600.3300134 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00

1H IN CDCL3  
 AVANCE-600

