



# 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.: D-428

Product: 6,3'-DIMETHOXYFLAVONE

Lot Number: 89027

Chemical Formula: C<sub>17</sub>H<sub>14</sub>O<sub>4</sub>

Molecular Weight: 282.30

Melting Point: 155-157°C

Appearance: Off white shining powder

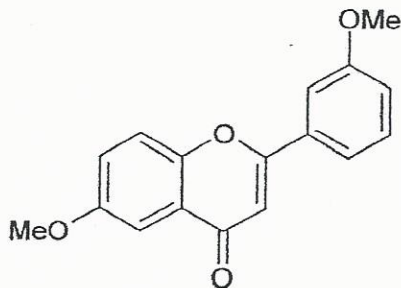
TLC Hexane: Ethyl acetate (7:3)

Solubility: Soluble in Chloroform

NMR Spectrum Enclosed

Storage: Cool dry place

Purity(HPLC): 99.69%





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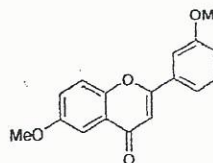
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## HPLC ANALYSIS

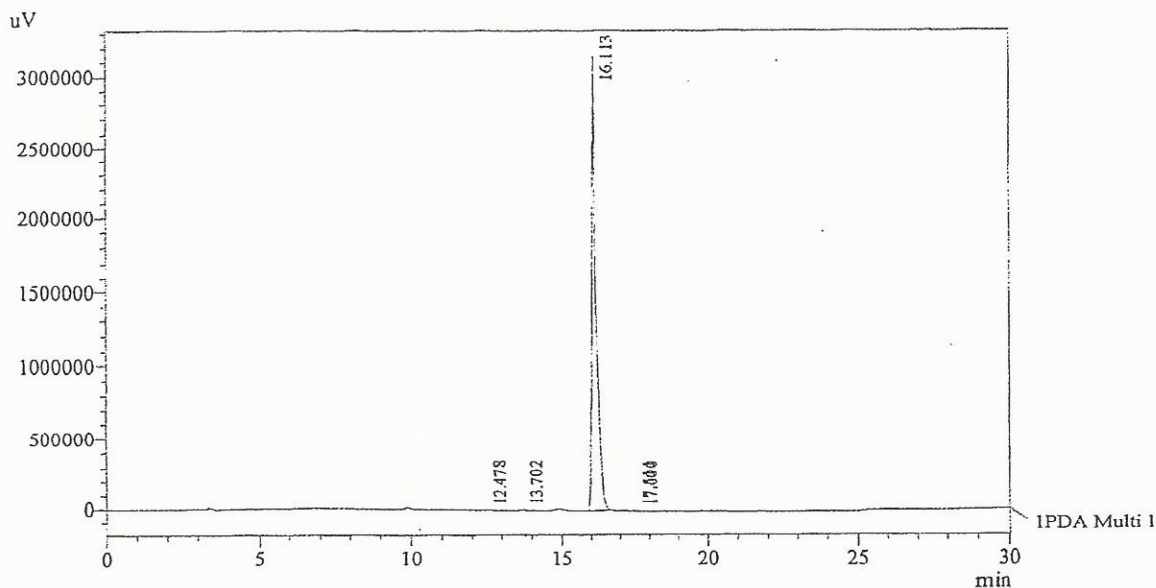
Acquired by : Sanjeev  
 Sample Name : 6,3'-Dimethoxyflavone  
 Sample ID : Lot No-89027  
 Injection Volume : 20 uL  
 Data Filename : 010213G.lcd  
 Method Filename : Linear Gradient.M.lcm

Catalog No.: D-428  
 Product name: 6,3'-Dimethoxyflavone  
 Lot No.: 89027



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



1 PDA Multi 1 / 230nm 4nm

PeakTable

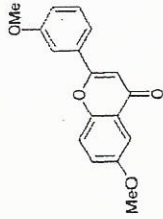
PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.178	12.478	6562	0.02	0.77
2	RT:13.716	13.702	81487	0.25	0.85
3	6,3'-Dimethoxyflavone	16.113	32425869	99.69	1.00
4	RT:17.481	17.511	7355	0.02	1.09
5	RT:17.637	17.600	6886	0.02	1.09
Total			32528159	100.00	



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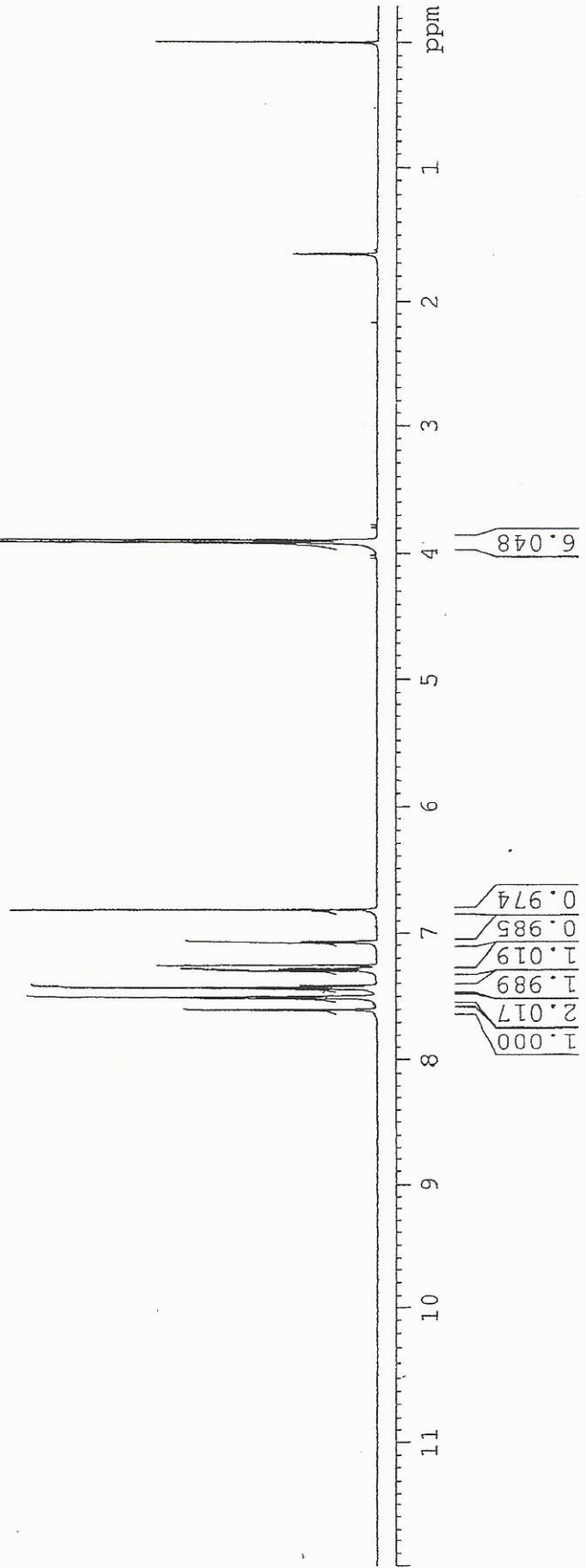
Catalog No.: D-428  
 Product name: 6,3'-Dimethoxyflavone  
 Lot No.: 89027



SOLVENT CDCL3  
 NS 16  
 DS 0  
 SWH 10288.065 Hz  
 FIDRES 0.342958 Hz  
 AQ 1.4579529 sec  
 RG 2050  
 DW 48.600 usec  
 DE 6.00 usec  
 TE 298.7 K  
 D1 1.50000000 sec  
 TD0 1

1H IN CDCL3  
 AVANCE-600

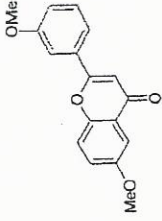
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 NUC1 1H  
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 PL1 -1.00 dB  
 PL1W 15.17893314 W  
 SF01 600.3345471 MHz  
 S1 32768  
 SF 600.3300133 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00





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