

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

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Catalog Number: D-420

Product Name: **2',4'-DIMETHOXYFLAVONE**

Lot Number: 0008185

Chemical Formula: C₁₇H₁₄O₄

Molecular Weight: 282.30

Melting Point: 128-130°C

Appearance: Pale yellow powder

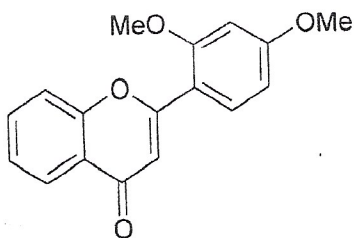
Solubility: Soluble in chloroform

TLC: Chloroform:Methanol (9.5:0.5)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity (HPLC): 99.04%



Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and Approved by:
Sujata Moton
Sujata Moton
VP



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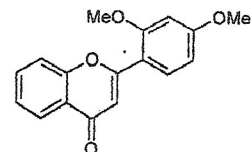
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HPLC ANALYSIS

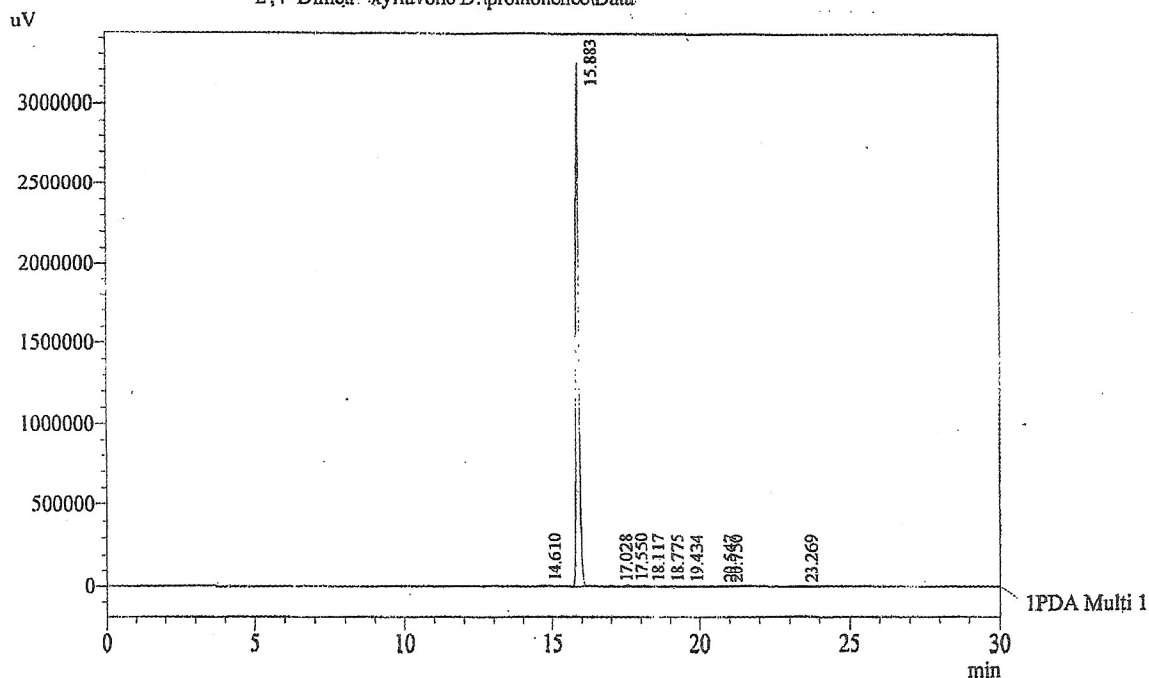
Acquired by : Sanjeev
Sample Name : 2',4'-Dimethoxyflavone
Sample ID : Lot No: 0008185
Injection Volume : 20 µL
Data Filename : 011214B.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: D-420
Product Name: 2',4'-Dimethoxyflavone
Lot No.: 0008185

Column : Gemini C18 (250mm x4.6mm 5.0µ)
Flow : 1.000 mL/min.
Mobile Phase : A(0.05% of 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 : Acetonitrile



Chromatogram
2',4'-Dimethoxyflavone D:\promonence\Data



1 PDA Multi 1 / 254nm 4nm

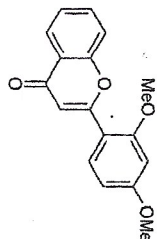
PeakTable

PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:14.610	14.610	33852	0.16	0.92
2	2',4'-Dimethoxyflavone	15.883	21256045	99.04	1.00
3	RT:17.028	17.028	29811	0.14	1.07
4	RT:17.550	17.550	70130	0.33	1.10
5	RT:18.117	18.117	37906	0.18	1.14
6	RT:18.775	18.775	12798	0.06	1.18
7	RT:19.434	19.434	6000	0.03	1.22
8	RT:20.547	20.547	5292	0.02	1.29
9	RT:20.750	20.750	2878	0.01	1.31
10	RT:23.269	23.269	7017	0.03	1.47
Total			21461728	100.00	



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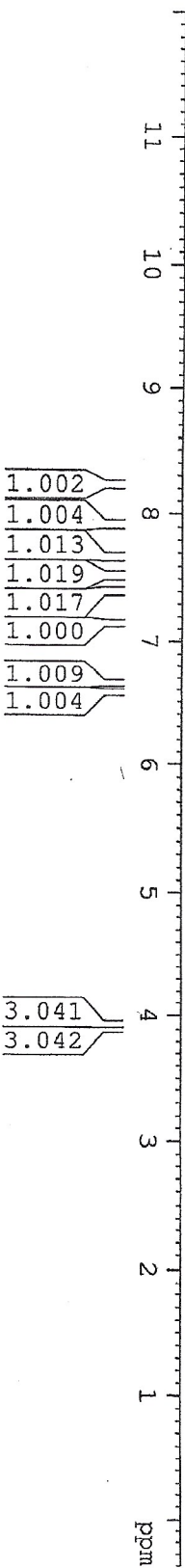


Catalog No.: D-420
 Product Name: 2,4-Dimethoxyflavone
 Lot No.: 0008185

SOLVENT CDCL3
 NS 16
 DS 0
 SMH 10416.667 Hz
 FIDRES 0.347245 Hz
 AQ 1.4399540 sec
 RG 2050
 DW 48.000 usec
 DE 6.00 usec
 TE 298.3 K
 D1 1.50000000 sec
 TD0 1

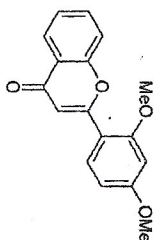
1H IN CDCL3
 AVANCE-600

===== CHANNEL f1 =====
 NUC1 1H
 P1 8.30 usec
 PL1 -1.00 dB
 PL1W 15.17893314 W
 SFO1 600.3344558 MHz
 SF 32768
 SF 600.3300137 MHz
 WDM EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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FIDRES 0.347245 Hz
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===== CHANNEL F1 =====
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SI 32768
SF 600.3300137 MHz
WDW EM
SSB 0
IB 0.30 Hz
GB 0
PC 1.00

