



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-260

Product Name: **5,4'-DIMETHOXYFLAVONE**

Lot Number: 000449

Chemical Formula: C₁₇H₁₄O₄

Molecular Weight: 282.30

Melting Point: 161-162°C

Appearance: Off white powder

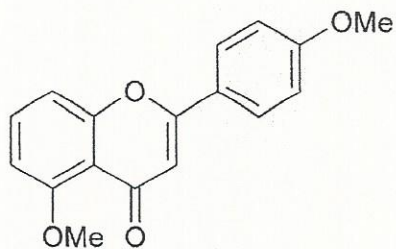
Solubility: Soluble in Chloroform

TLC: Chloroform:Methanol (9.5:0.5)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in cool, dry place

Purity(HPLC): 99.82%





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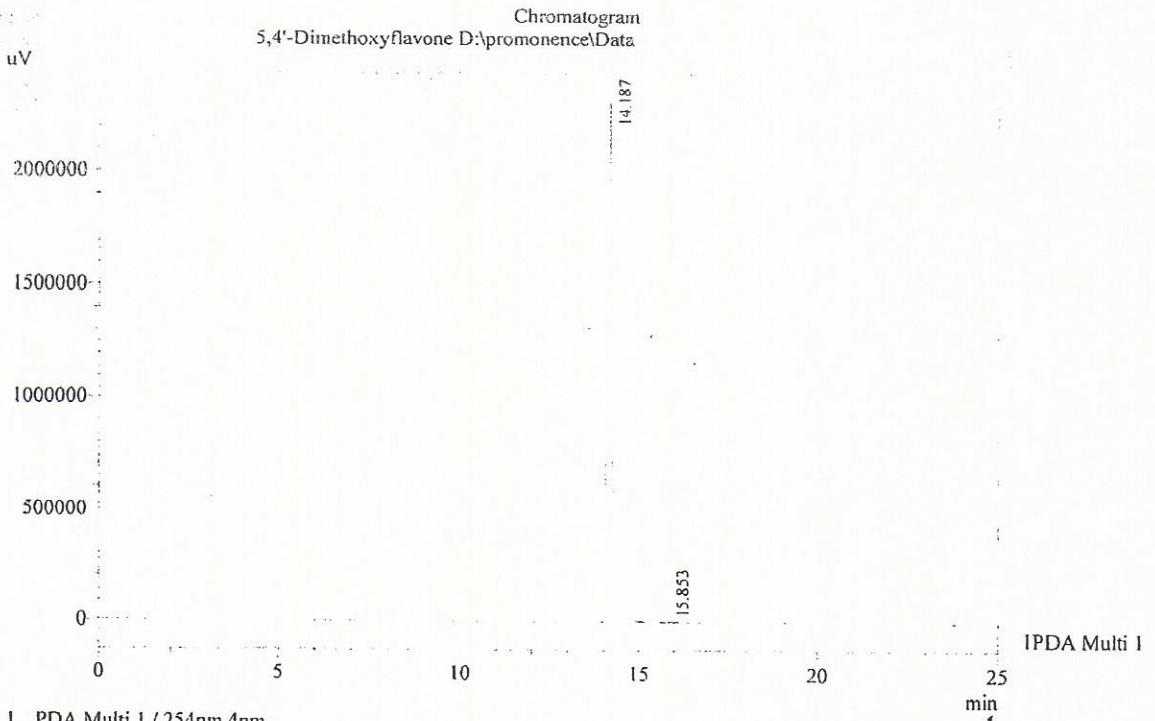
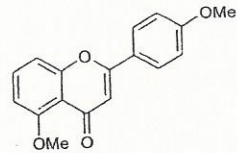
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Admin
 Sample Name : 5,4'-Dimethoxyflavone
 Sample ID : Lot No:000449
 Injection Volume : 20 uL
 Data Filename : 291015E.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: D-260
 Product Name: 5,4'-Dimethoxyflavone
 Lot No.: 000449

Column : Gemini 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



1 PDA Multi 1 / 254nm 4nm

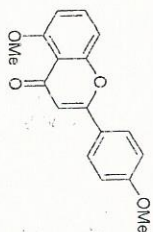
PDA Ch1 254nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	5,4'-Dimethoxyflavone	14.187	21041931	99.82	1.00
2	RT:15.853	15.853	36960	0.18	1.12
Total			21078891	100.00	



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121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844



Catalog No.: D-260
Product Name: 5,4'-Dimethoxyflavone
Lot No.: 000449

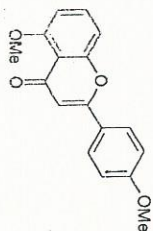
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NS 8
DS 0
SMH 11094.675 Hz
FIDRES 0.333354 Hz
AQ 1.4999588 sec
RG 23.4
DM 45.067 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

CHANNEL F1
NUC1 1H
P1 7.50 usec
PL1 2.97 dB
PL1R 6.09128809 M
SFO1 600.3346850 MHz
SI 227.68
SF 600.3300080 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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SOVENT CDCl3
NS 8
DS 0
SMH 11094.675 Hz
FIDRES 0.333354 Hz
AQ 1.499588 sec
RG 25.4
DM 45.067 usec
DE 6.00 usec
TE 298.2 K
DI 1.5000000 sec
TDO 1

***** CHANNEL F1 *****
NUC1 1H
P1 7.50 usec
PL1 2.97 dB
PL1W 6.09128809 N
SFO1 600.3346850 MHz
SI 32768
SF 600.3300080 MHz
MWR EM
SSB 0
LB 0
GB 0.30 Hz
PC 1.00

