



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

Cat No.: D-431

Product: 7,4'-DIMETHOXYFLAVONE

Cas Number: [20979-50-4]

Lot Number: 1101111

Chemical Formula: C₁₇H₁₄O₄

Molecular Weight: 282.30

Melting Point: 152-154°C

Appearance: White fluffy powder

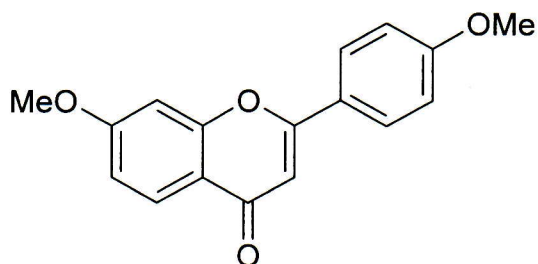
TLC: Benzene:Acetone (9:1)

Solubility: Soluble in Methanol

Moisture (KF): 0.25%

Storage: Cool dry place

Assay (HPLC): 99.88%





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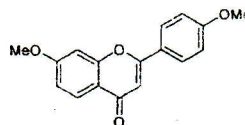
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HPLC ANALYSIS

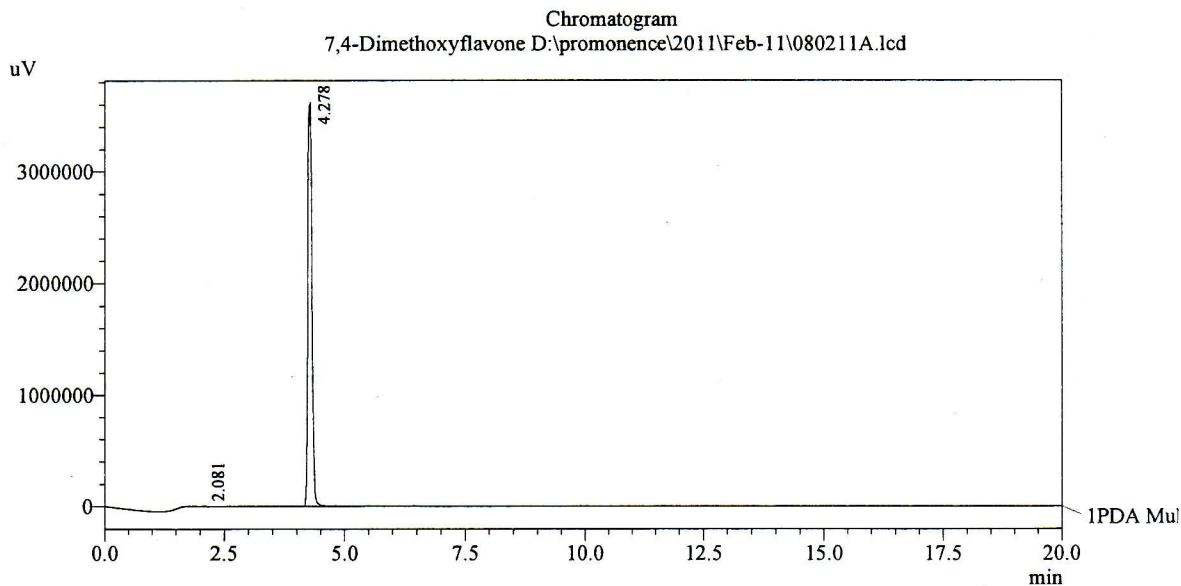
Date Acquired : 2/8/2011 11:47:27 AM
Acquired by : Madhuri
Sample Name : 7,4'-Dimethoxyflavone
Sample ID : 1.0kg
Injection Volume : 20 uL
Data Filename : 080211A.lcd
Method Filename : Linear Isocratic.M.lcm

Cat. No.: D-431
Product name: 7,4'-Dimethoxyflavone
Lot No.: 1101111

Description:
Column : Phenomenex C-18, 250X4.6mm 5.0µm
Flow : 1.000ML/min.
Mobile Phase : A(20% of 0.05% TFA) B(80% of ACN)



7,4'-Dimethoxyflavone



1 PDA Multi 1 / 240nm 4nm

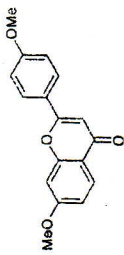
PeakTable

PDA Ch1 240nm 4nm

Peak#	Ret. Time	Area	Height	Area %
1	2.081	24100	6259	0.111
2	4.278	21689508	3615105	99.889
Total		21713607	3621364	100.000

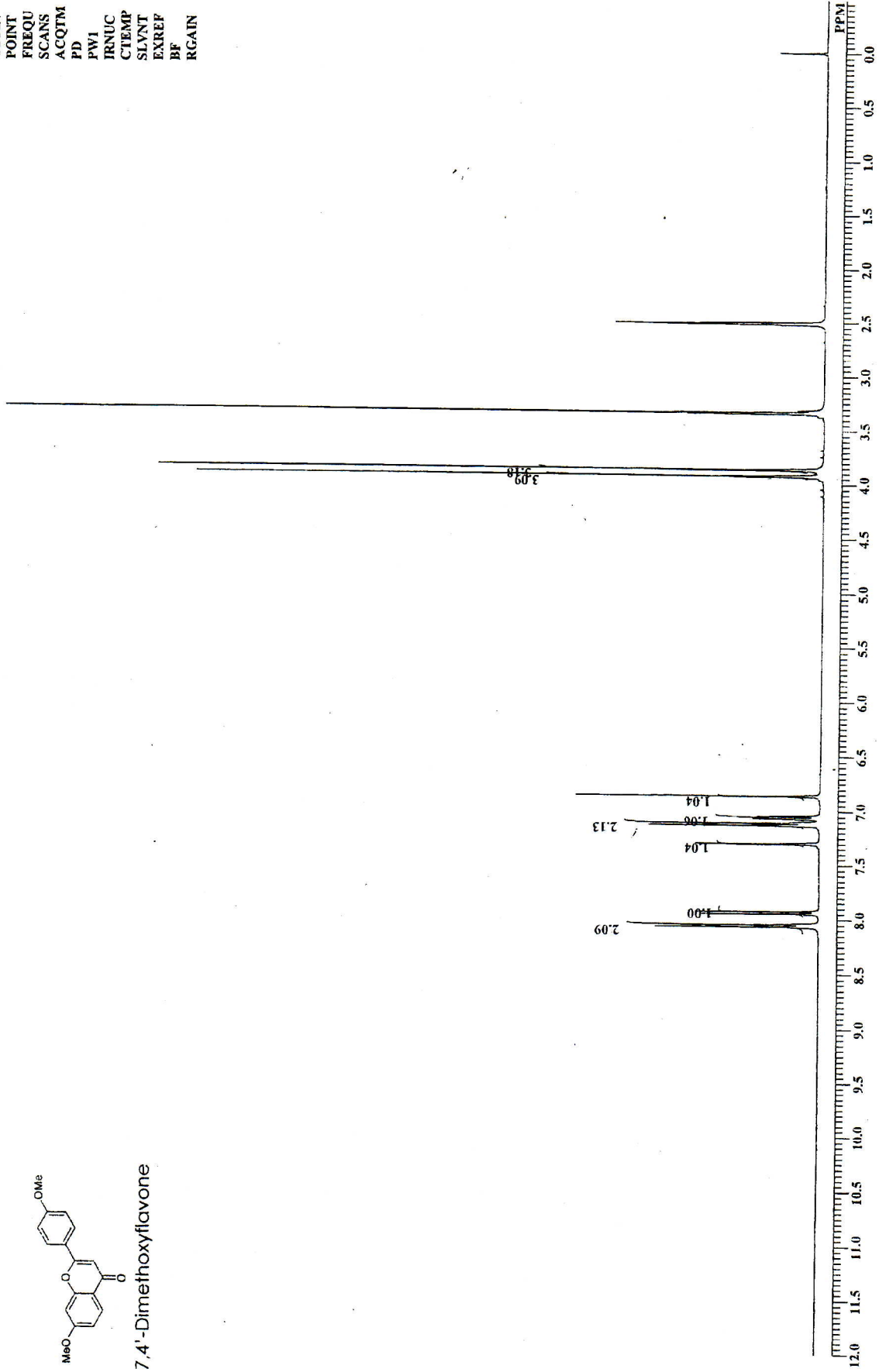
Cat. No.: D-431
Product name: 7,4'-Dimethoxyflavone
Lot No.: 1101111

7,4-DMF 1H NMR DMSO-d6



7,4'-Dimethoxyflavone

DETE 7,4-DMF.d6
COMPT 7,4-DMF 1H NMR DMSO
DATIM Tue Feb 08 12:13:01 201
OBNUC III
EXMOD NON
OBFRO 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
FOINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 3.0000 sec
FV1 5.60 usec
IRNUC III
CTEMP 24.2 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 17

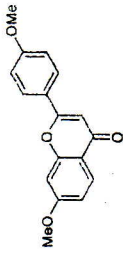


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Product name: 7,4'-Dimethoxyflavone
Lot No.: 1101111

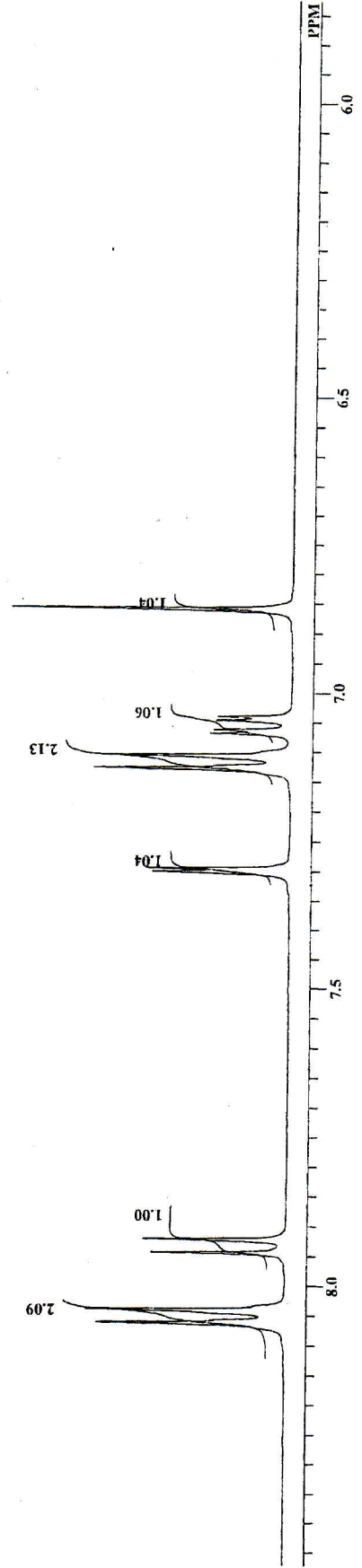
7,4-DMF.als
7,4-DMF 1HNMIR DMS
Tue Feb 08 12:13:01 Z01
IH
NON
EXMOD
OBFRO 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 3.0000 sec
PW1 5.60 usec
IH 24.2 c
DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 17

DFILE
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DATIM
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OBFRO
OBSET
OBFIN
POINT
FREQU
SCANS
ACQTM
PD
PW1
IRNUC
CTEMP
SLYNT
EXREF
BF
RGAIN

7,4-DMF 1HNMIR DMSO-d6



7,4'-Dimethoxyflavone



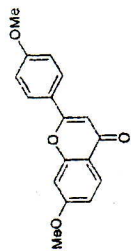
7,4-DMF.als
7,4-DMF 1H NMR DMS
Tue Feb 08 12:13:01 201
IH

DHLE
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7,4-DMF 1H NMR DMSO-d6



7,4'-Dimethoxyflavone

