



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: H-107

Product Name: **5,7-DIMETHOXY-4'-HYDROXYFLAVANONE**

CAS Number: [26207-67-0]

Lot Number: 1211257

Chemical Formula: C₁₇H₁₆O₅

Molecular Weight: 300.31

Melting point: 172-174°C

Appearance: Light yellow powder

Solubility: Soluble in DMSO

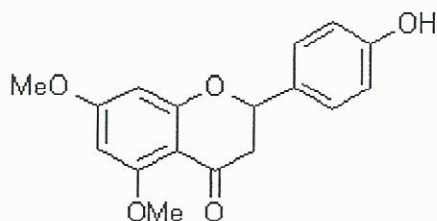
TLC: Hexane:Ethyl Acetate (1:1)

Moisture(KF): 0.45%

NMR Spectrum: Enclosed

Storage: Cool dry place

Purity(HPLC): 99.20%





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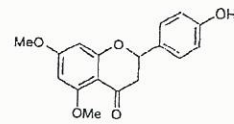
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HPLC ANALYSIS

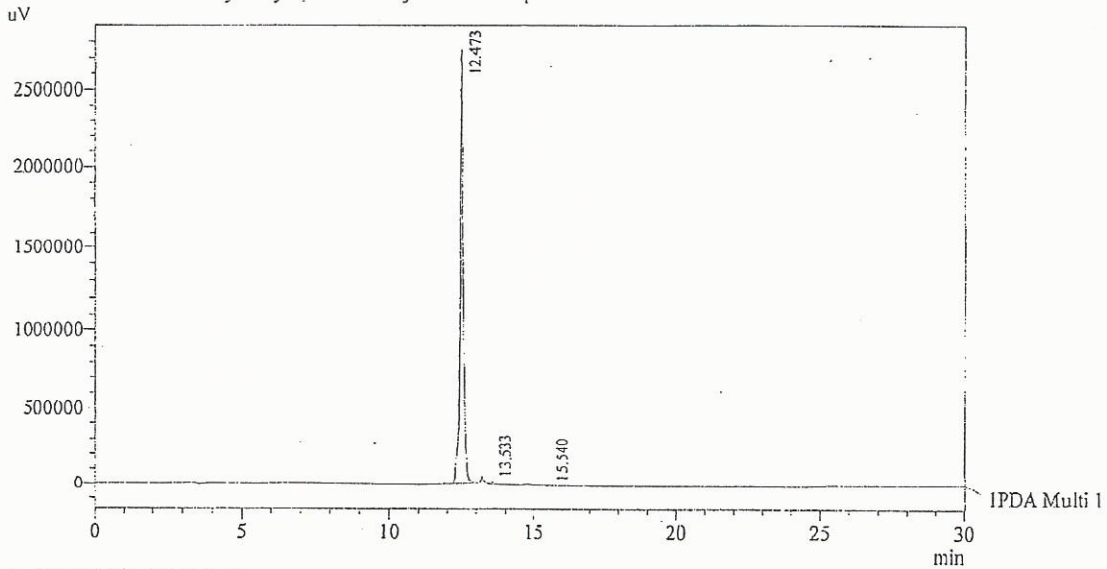
Acquired by : Sanjeev
 Sample Name : 4'-Hydroxy-5,7-dimethoxyflavanone
 Sample ID : 10gm Lot
 Injection Volume : 20 uL
 Data Filename : 041112H.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog no.: H-107
 Product name: 5,7-Dimethoxy-4'-hydroxyflavanone
 Lot No.: 1211257



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
 4'-Hydroxy-5,7-dimethoxyflavanone D:\promoncel\Data



1 PDA Multi 1 / 230nm 4nm

PeakTable

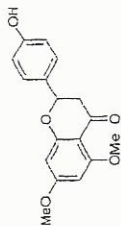
PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	4'-OH-5,7-dimethoxyflavono	12.473	21639427	99.20	1.00
2	RT:13.190	13.533	141566	0.65	1.09
3	RT:15.540	15.540	33808	0.15	1.25
Total			21814802	100.00	



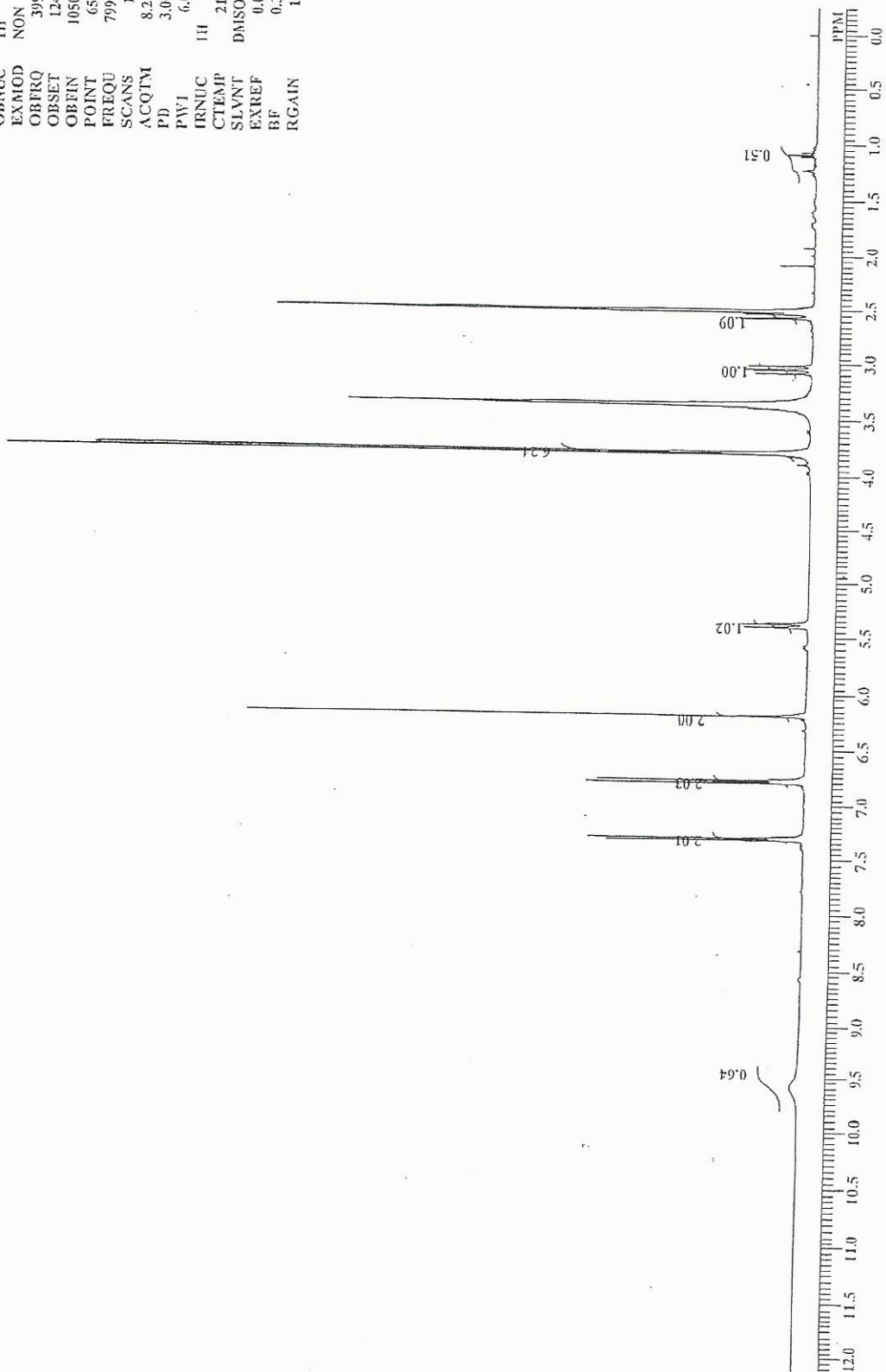
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Product name: 5,7-Dimethoxy-4'-hydroxyflavanone
Lot No.: 1211257



Flavanone III NMR DMSO-d6

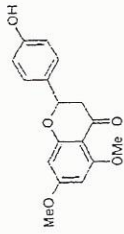
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COMNT Flavanone 1H NMR DMSO-d6
IRNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 3.0000 sec
PWI 6.00 nsec
IRNUC 1H
CTEMP 21.6 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 17





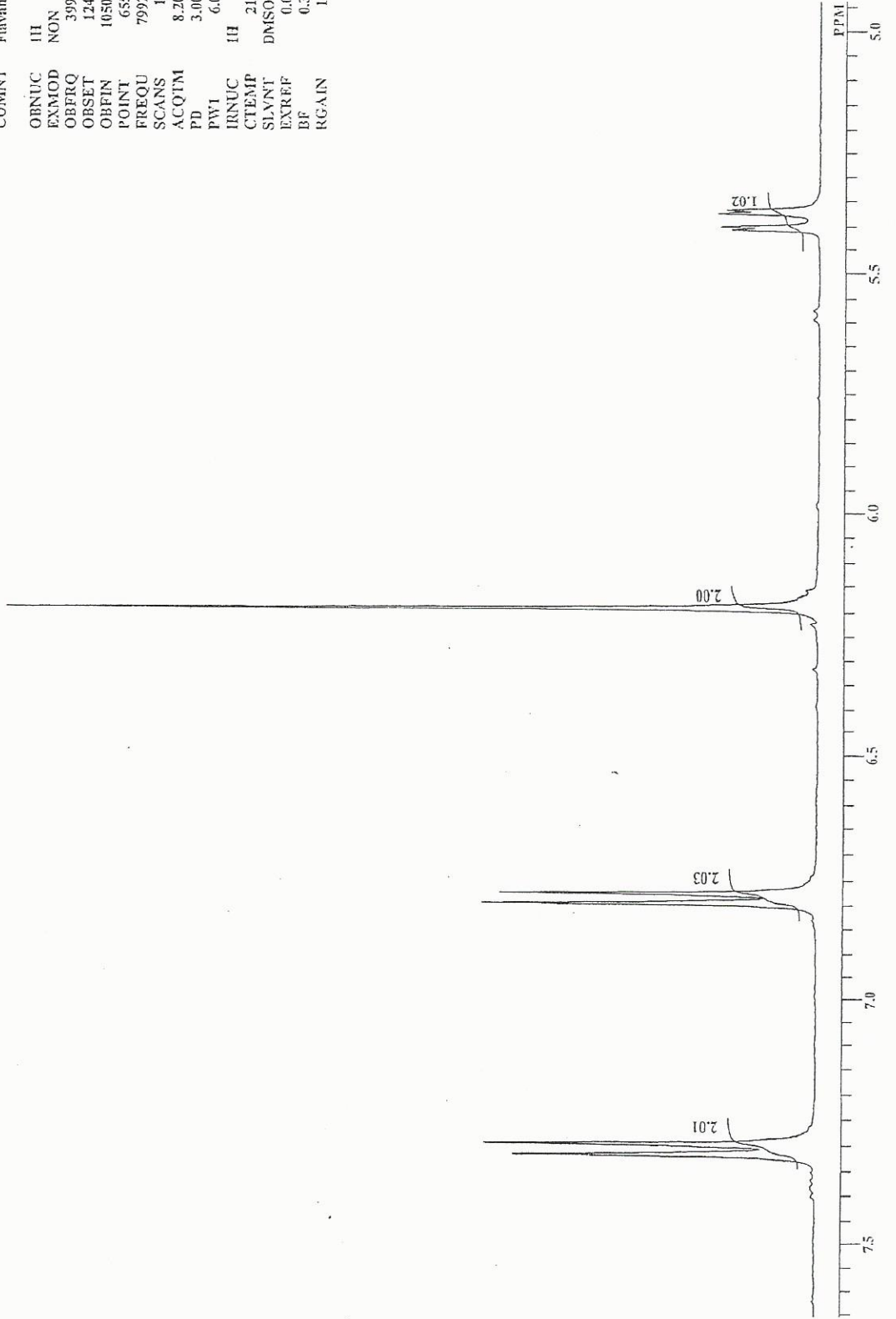
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Flavanone IH NMR DMSO-d6

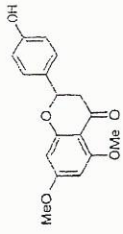
DFILE Flavanone.als
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OBFIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 3.0000 sec
PW1 6.00 usec
IRNUC IH
CTEMP 21.6 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 17





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Flavanone III NMR DMSO-d6

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