

ICG **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

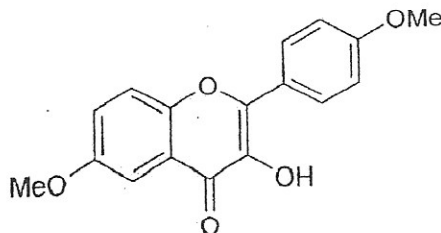
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Cat No.: H-601

<u>Product:</u>	6,4'-DIMETHOXY-3-HYDROXYFLAVONE
<u>Lot Number:</u>	97009
<u>Chemical Formula:</u>	C ₁₇ H ₁₄ O ₅
<u>Molecular Weight:</u>	298.30
<u>Melting Point:</u>	181-185°C
<u>Appearance:</u>	Cream colored powder
<u>Solubility:</u>	Soluble in DMSO
<u>TLC:</u>	Hexane:ethyl acetate (7:3)
<u>Purity (HPLC):</u>	99.70%
<u>Storage:</u>	Cool dry place





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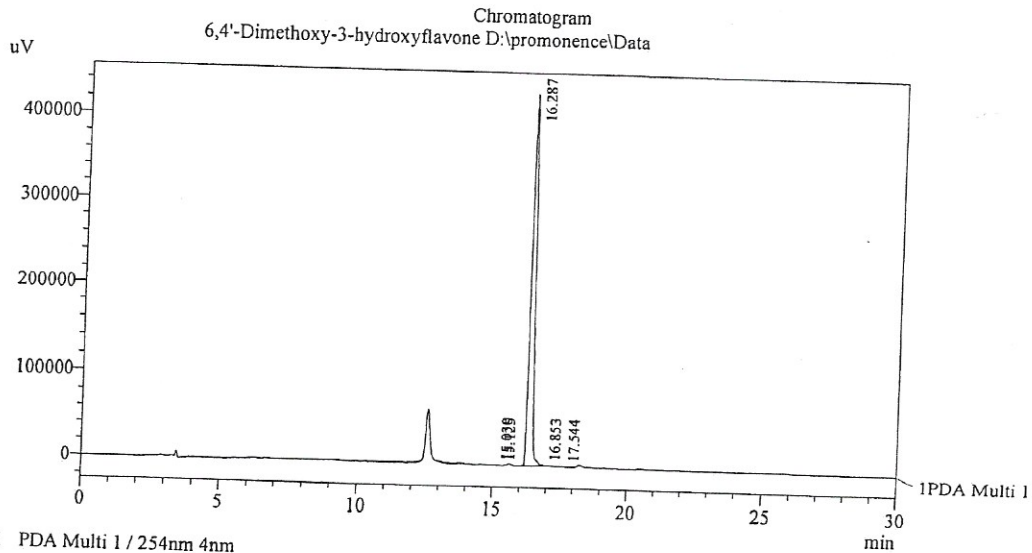
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 6,4'-Dimethoxy-3-hydroxyflavone
Sample ID : Lot No:- 97009
Injection Volume : 20 uL
Data Filename : 151211E.lcd
Method Filename : Linear Gradient.M.lcm

Cat. No.: H-601
Product name: 6,4'-Dimethoxy-3-hydroxyflavone
Lot No.: 97009

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
25.0 90 10
30.0 90 10



PDA Ch1 254nm 4nm

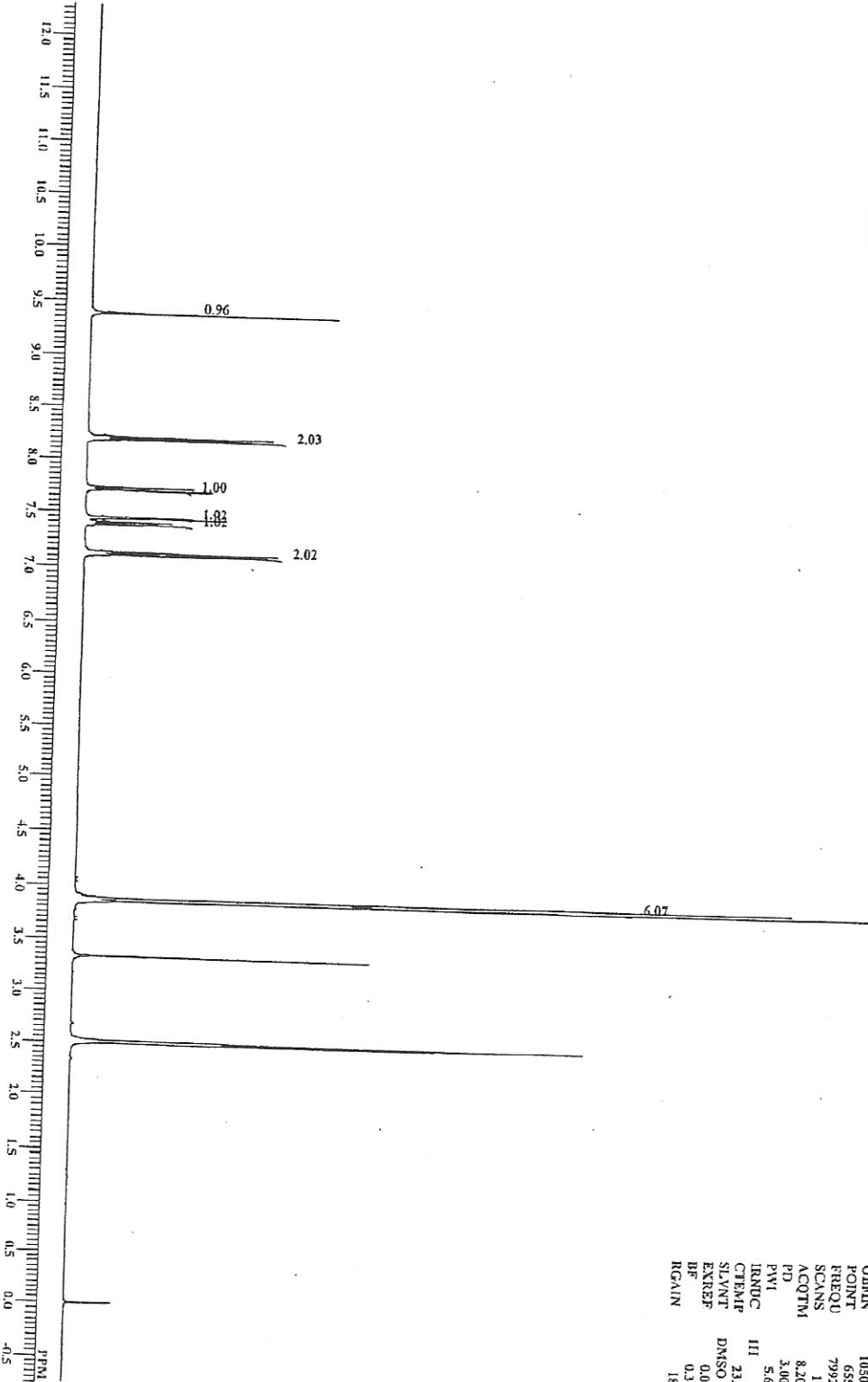
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:15.002	15.030	2743	0.06	0.92
2	RT:15.185	15.125	1577	0.03	0.93
3	RT:16.288	16.287	4582851	99.70	1.00
4	RT:16.875	16.853	6169	0.13	1.03
5	RT:17.552	17.544	3288	0.07	1.08
Total			4596629	100.00	



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1CC-2 1H NMR DMSO-D6
 Cat. No.: H-601
 Product name: 6,4'-Dimethoxy-3-hydroxyflavone
 Lot No.: 97009



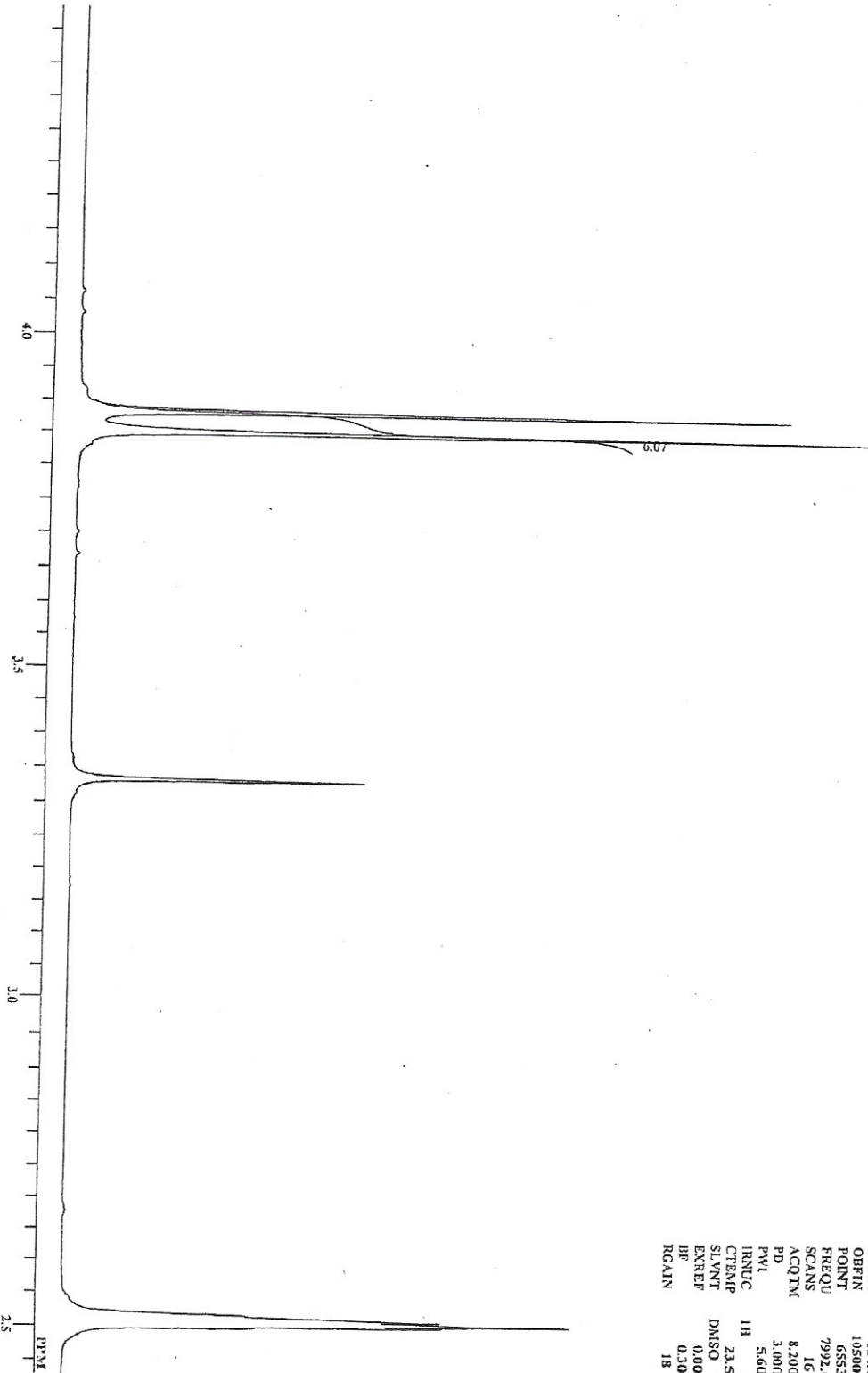
ORNUC 1H
 EXORD NON
 DIRDQ 399.65 MHz
 OHSBT 134.00 KHz
 OHRIN 10500.00 Hz
 POINT 65536
 FREQU 7992.01 Hz
 SCANS 16
 ACQTM 8.2002 sec
 PD 3.0000 sec
 PVT 5.60 usec
 IRADC III
 CTMRP 23.5 c
 SLVNT DMSO
 EXREP 0.00 ppm
 BF 0.30 Hz
 RGAIN 18



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Cat. No.: H-601
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 Lot No.: 97009

ICG-2 1H NMR DMSO-D6



ORNUC	1H
EXMID	NON
OFFRQ	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
PVI	5.60 us/cc
IRNUC	1H
CTEMP	23.5°c
SLVNT	DMSO
EXREF	0.00 ppm
HF	0.20 Hz
RGAIN	18



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ICC-2 1H NMR DMSO-D6
Cat. No.: H-601
Product name: 6,4'-Dimethoxy-3-hydroxyflavone
Lot No.: 97009

ORNUC 1H
EXMRQ NON
OBFRO 399.65 MHz
OBSER 124.00 KHz
OBFIN 10504.00 Hz
POINT 65536
FREQU 79922.01 Hz
SCANS 16
ACQTM 8.2802 sec
PD 3.0000 sec
PVI 5.60 usec
IRNUC 1H
CTEMP 23.56
SLVNT DMSO
EXREF 0.00 ppm
BP 0.30 Hz
RGAIN 18

