



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-428

Product Name: **8-HYDROXY-7-METHOXYFLAVONE**

CAS Number: [40316-76-5]

Lot Number: 96034

Chemical Formula: C₁₆H₁₂O₄

Molecular Weight: 268.27

Melting Point: 226-229°C

Appearance: Cream powder

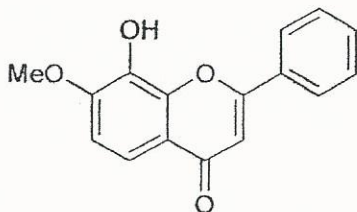
Solubility: Soluble in DMSO

TLC: Chloroform:methanol (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.60%





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

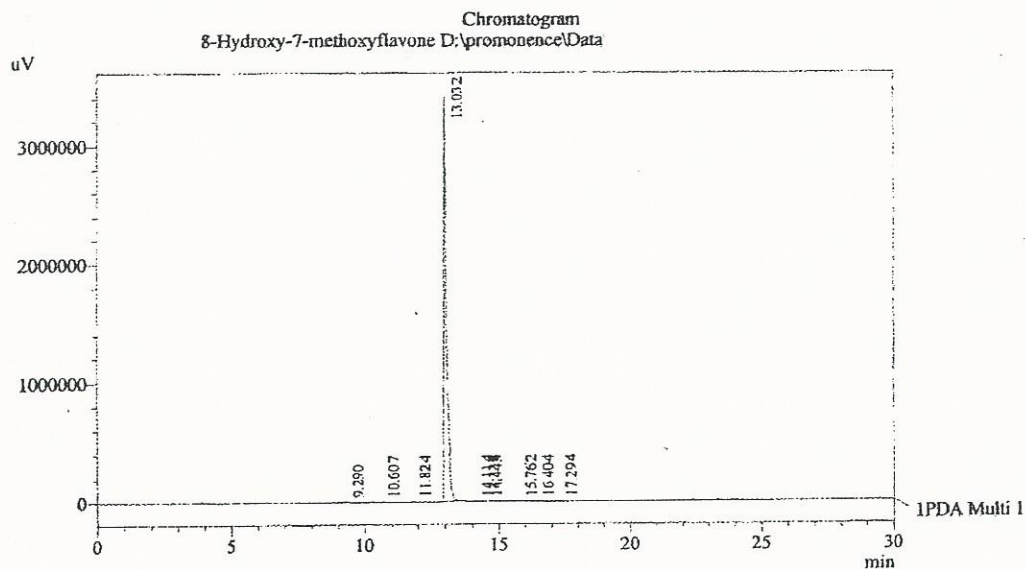
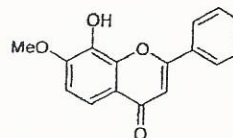
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 8-Hydroxy-7-methoxyflavone
 Sample ID : Lot No: 96034
 Injection Volume : 20 uL
 Data Filename : 270913H1.ed
 Method Filename : Linear Gradient.M.lcm

Catalog No.: H-428
 Product Name: 8-Hydroxy-7-methoxyflavone
 Lot No.: 96034

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
 Diluent : Methanol



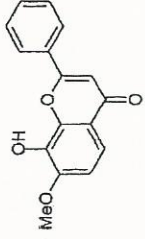
1 PDA Multi 1 / 254nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:9.290	9.290	15003	0.07	0.71
2	RT:10.607	10.607	3551	0.02	0.81
3	RT:11.824	11.824	20432	0.09	0.91
4	8-OH-7-methoxyflavone	13.032	22880568	99.60	1.00
5	RT:14.114	14.114	4157	0.02	1.08
6	RT:14.338	14.338	4965	0.02	1.10
7	RT:14.443	14.443	2231	0.01	1.11
8	RT:15.762	15.762	11441	0.05	1.21
9	RT:16.404	16.404	21496	0.09	1.26
10	RT:17.294	17.294	9202	0.04	1.33
Total			22973047	100.00	



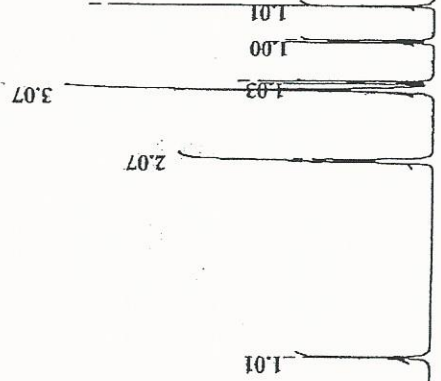
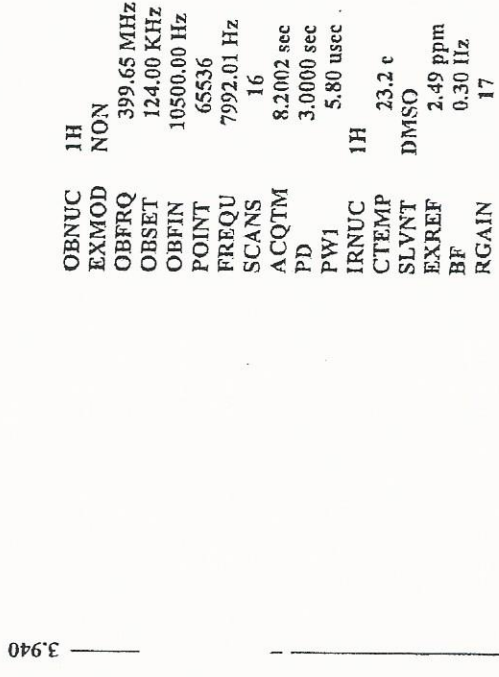
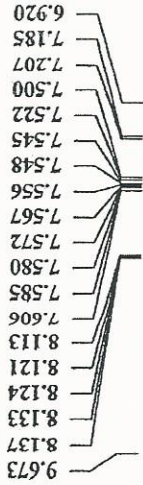
INDOFINE Chemical Company, Inc.
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844



Catalog No.: H-428
Product Name: 8-Hydroxy-7-methoxyflavone
Lot No.: 96034

¹H NMR DMSO-d6

Analysed By: MAK

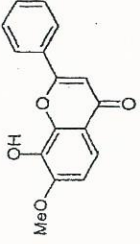


OBNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 3.0000 sec
PW1 5.80 usec
IRNUC 1H
CTEMP 23.2 c
SLVNT DMSO
EXREF 2.49 ppm
BF 0.30 Hz
RGAIN 17



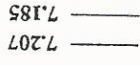
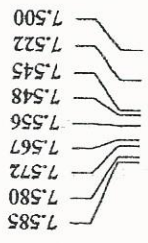
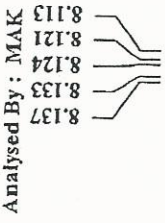


INDOFINE Chemical Company, Inc.
 121 STRYKER LANE
 BLDG. 30, SUITE 1
 HILLSBOROUGH, NJ 08844



Catalog No.: H-428
 Product Name: 8-Hydroxy-7-methoxyflavone
 Lot No.: 96034

¹H NMR DMSO-d₆



OBNUC	¹ H
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	5.80 usec
IRNUC	¹ H
CTEMP	23.2 c
SLVNT	DMSO
EXREF	2.49 ppm
BF	0.30 Hz
RGAIN	17

