



# 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](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

Catalog Number: H-410

Product Name: **3'-HYDROXYFLAVONE**

CAS Number: [70460-18-3]

Lot Number: 0008191

Chemical Formula: C<sub>15</sub>H<sub>10</sub>O<sub>3</sub>

Molecular Weight: 238.25

Melting Point: 208-211°C

Appearance: Beige powder

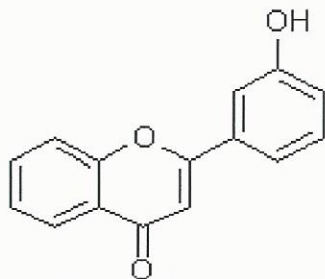
TLC: Chloroform: Methanol (9:1)

Solubility: Soluble in DMSO

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.58%





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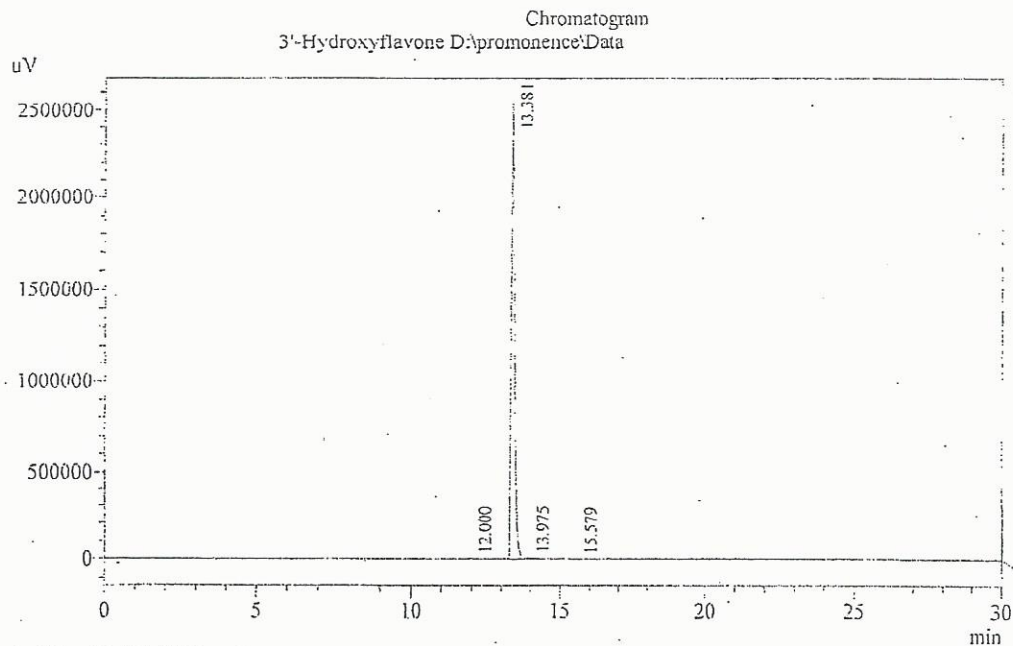
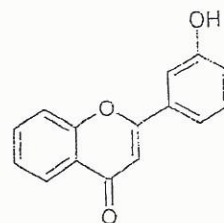
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## HPLC ANALYSIS

Acquired by : Sanjeev  
 Sample Name : 3'-Hydroxyflavone  
 Sample ID : Lot No:-0008191  
 Injection Volume : 20 uL  
 Data Filename : 170812K.lcd  
 Method Filename : Linear Gradient.M.lcm

Catalog no.: H-410  
 Product name: 3'-Hydroxyflavone  
 Lot No.: 0008191

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



1 PDA Multi 1 / 254nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.000	12.000	39670	0.19	0.90
2	3'-Hydroxyflavone	13.381	20880078	99.58	1.00
3	RT:13.975	13.975	45557	0.22	1.04
4	RT:15.579	15.579	2533	0.01	1.16
Total			20967838	100.00	



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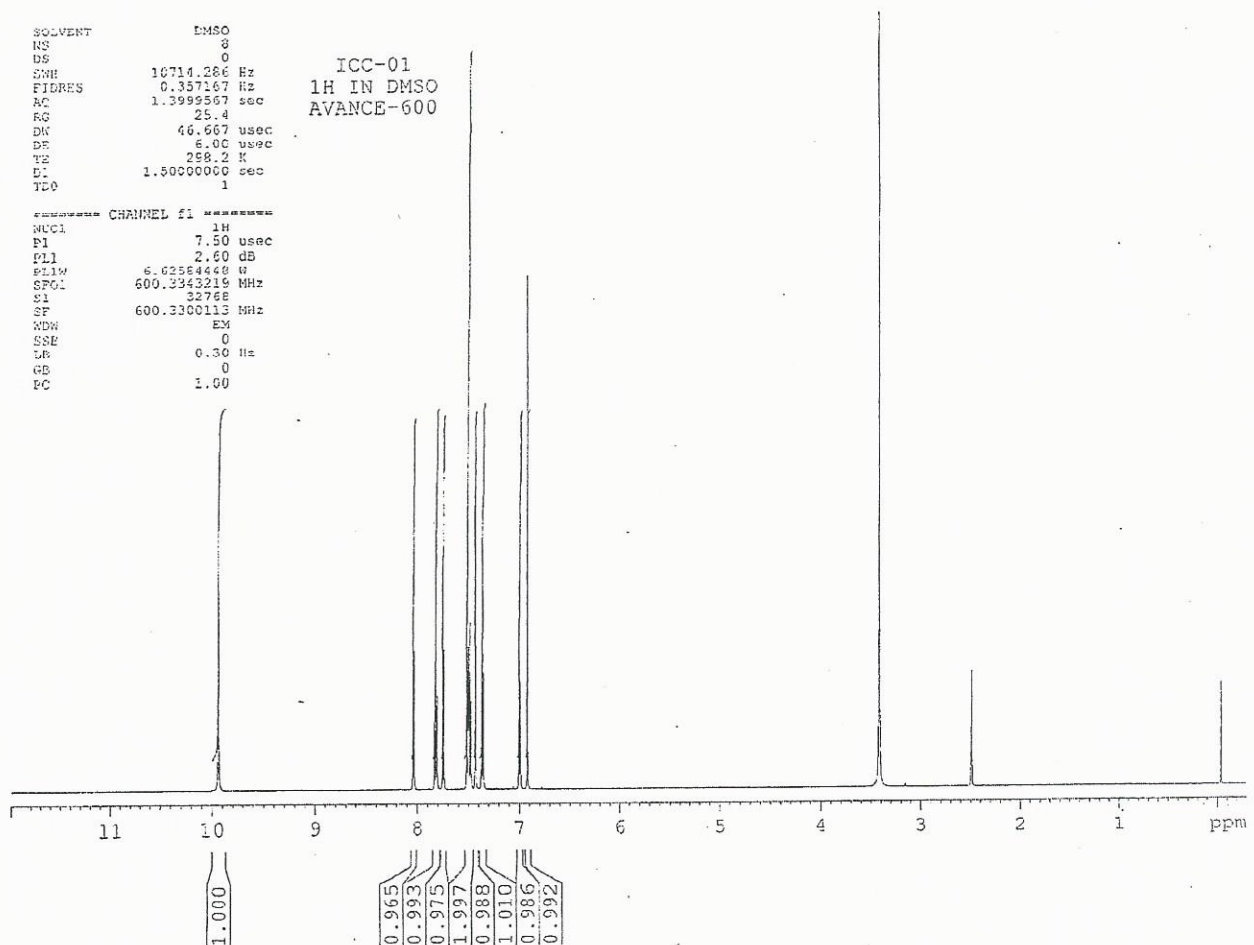
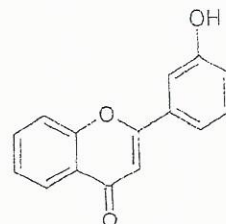
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Product name: 3'-Hydroxyflavone  
Lot No.: 0008191





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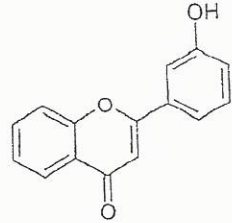
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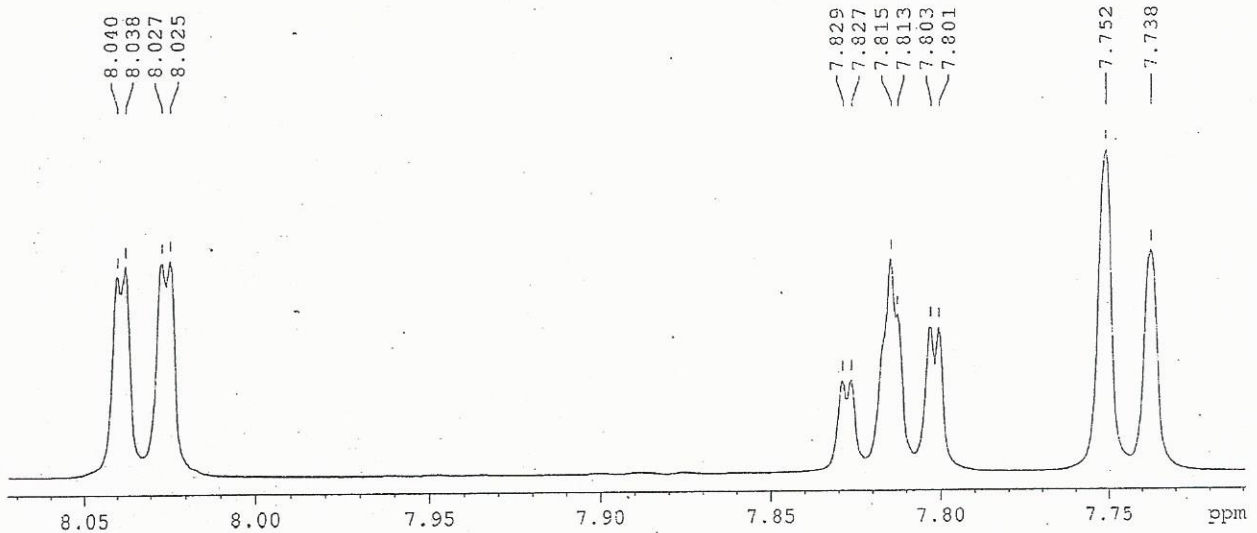
Catalog no.: H-410  
Product name: 3'-Hydroxyflavone  
Lot No.: 0008191



```
SOLVENT      DMSO
NS           0
DS           0
SSH         10714.286 Hz
FIDRES      0.357167 Hz
AQ          1.3999567 sec
RG          25.4
DW          46.667 usec
DE           6.00 usec
TE           298.2 K
D1          1.5000000 sec
TDO         1
```

ICC-01  
1H IN DMSO  
AVANCE-600

```
===== CHANNEL f1 =====
NUC1         1H
P1           7.50 usec
PL1          2.60 dB
PLLN        6.62584448 W
SFO1        600.3343219 MHz
SI           32768
SF          600.3300113 MHz
HDK          EM
SSB          0
LB           0.30 Hz
GB           0
PC           1.00
```





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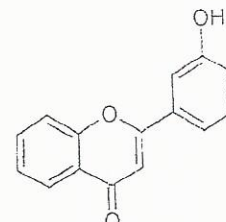
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SOLVENT DMSO  
NS 0  
DS 0  
SQR 10714.086 Hz  
FIDRES 0.357167 Hz  
AQ 1.5988867 sec  
RG 32.4  
SW 46.687 usec  
SE 5.00 usec  
TE 298.2 K  
D1 1.50000000 sec  
TD0 1

ICC-01  
1H IN DMSO  
AVANCE-600

===== CHANNEL #1 =====  
NUC1 1H  
P1 7.50 usec  
PL1 2.80 dB  
PLM 6.62584448 M  
SFO1 600.3343219 MHz  
SI 32768  
SF 600.3200113 MHz  
WDW RM  
SSB 0  
IN 0.00 Hz  
GB 0  
PC 1.00

