



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.: B-002

Product:

5,6-BENZOFLAVONE

(β -Naphthoflavone)

Cas Number:

[6051-87-2]

Lot Number:

1212268

Chemical Formula:

$C_{19}H_{12}O_2$

Molecular Weight:

272.3

Melting Point:

163-165°C

Appearance:

Off white powder

Solubility:

Soluble in chloroform

TLC:

Hexane:Ethyl acetate (7:3)

NMR Spectrum:

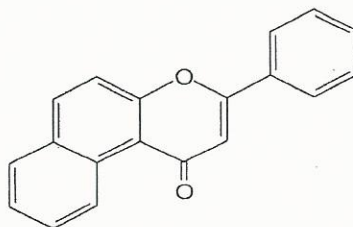
Enclosed

Storage:

Cool dry place

Purity (HPLC):

99.86%





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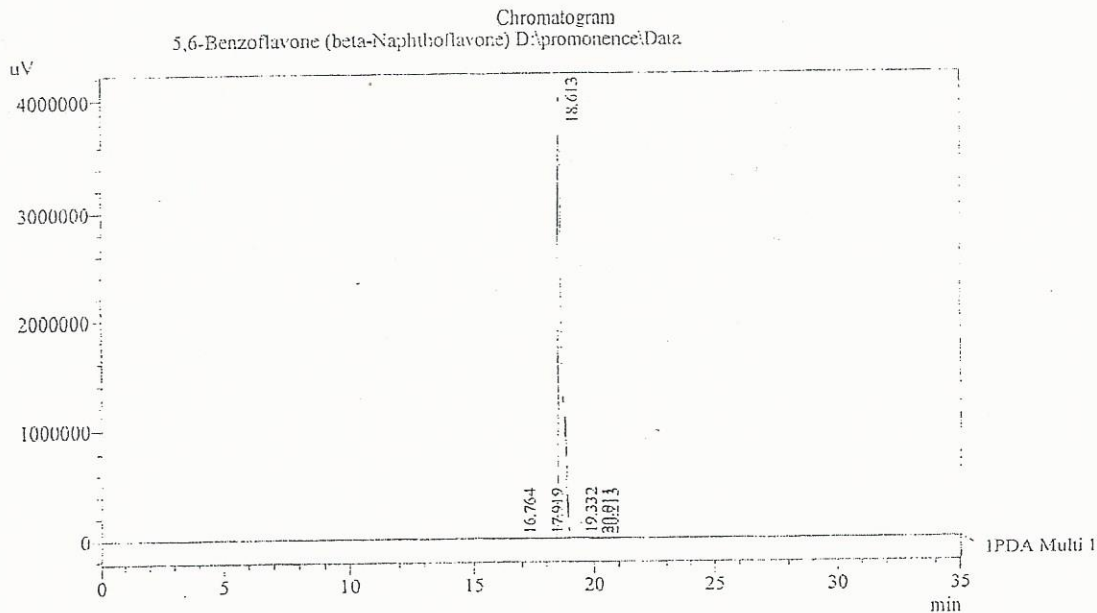
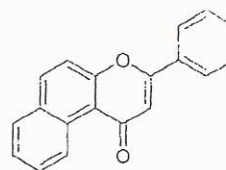
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HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 5,6-Benzoflavone (beta-Naphthoflavone)
 Sample ID : 2.0Kg Lot (Herborganics)
 Injection Volume : 20 uL
 Data Filename : 1110120.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: B-002
 Product name: 5,6-Benzoflavone
 (β-Naphthoflavone)
 Lot No.: 1212268

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
 35.0 90 10



1 PDA Multi 1 / 260nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:16.764	16.764	26100	0.06	0.90
2	RT:17.919	17.919	20993	0.05	0.96
3	5,6-Benzoflavone	18.613	45209129	99.86	1.00
4	RT:19.332	19.332	6052	0.01	1.04
5	RT:20.011	20.011	5323	0.01	1.08
6	RT:20.213	20.213	4158	0.01	1.09
Total			45271754	100.00	



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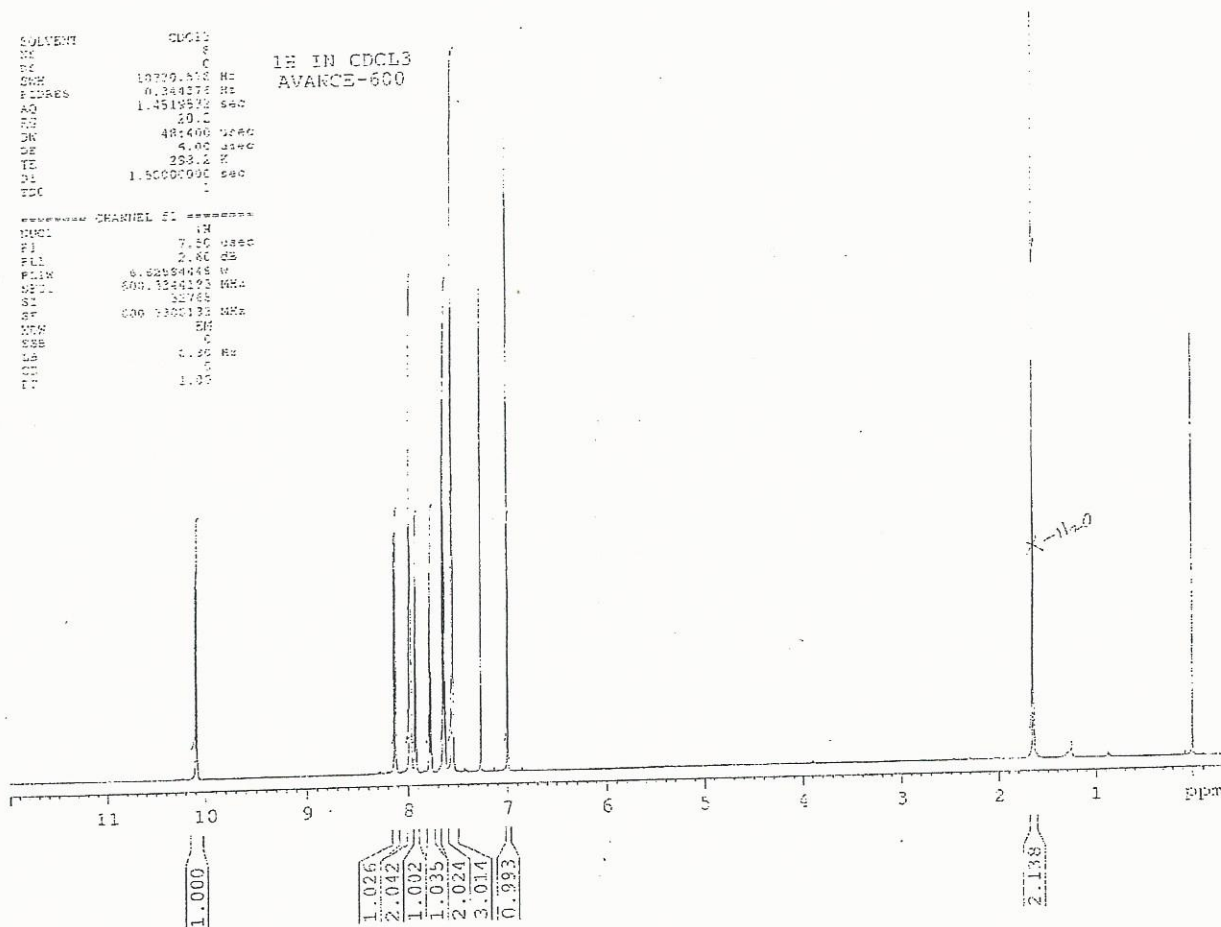
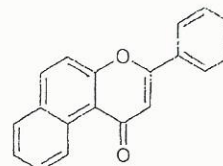
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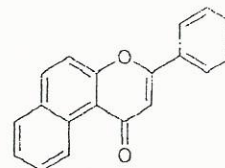
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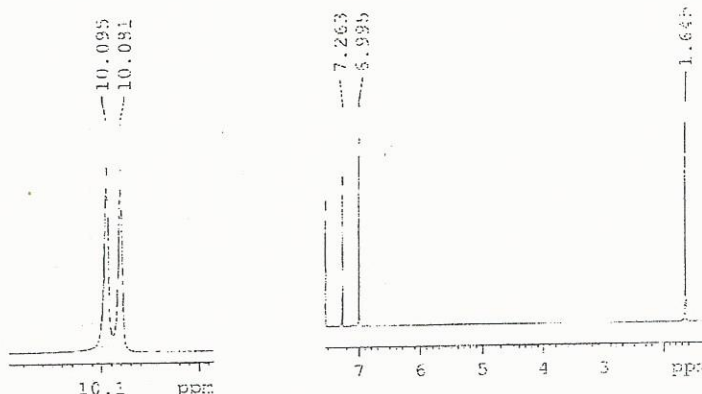
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SOLVENT CDCL3
NS 0
SR 0
SWH 16130.578 Hz
FIDRES 0.344376 Hz
AQ 1.4519532 sec
RG 20.2
DM 48.470 usec
DD 6.50 usec
TF 288.2 K
SI 1.5000000 sec
TSC 1

1H IN CDCL3
AVANCE-600

CHANNEL f1
NUC1 1H
P1 7.50 usec
PL1 0.00 dB
SFO 60.1324492 MHz
SI 12.768
SF 600.3206132 MHz
XPR EM
SSE H
LE 0.30 Hz
GB C
PC 1.00



8.133
8.118

7.985
7.981
7.978
7.975
7.969
7.962
7.930
7.916

7.789
7.788
7.775
7.761
7.762

7.650
7.646
7.635
7.621

7.559
7.554
7.549

