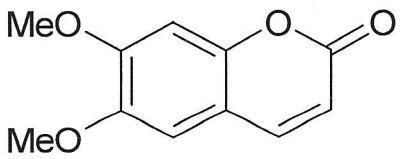
INDOFINE Chemical Company, Inc.

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:	020551
Product Name:	**6,7-DIMETHYLESCULETIN** (Esculetin dimethyl ether, Scoparone, 6,7-Dimethoxycoumarin)
Cas Number:	[120-08-1]
Lot Number:	0212220
Chemical Formula:	$C_{11}H_{10}O_4$
Molecular Weight:	206.20
Melting Point:	142-145°C
Appearance:	Off white powder
Solubility:	Soluble in chloroform
TLC:	Hexane:Ethyl acetate (6:4)
NMR Spectrum:	Enclosed (conforms to the structure)
Storage:	Store in a cool, dry place
Purity(HPLC):	99.32%



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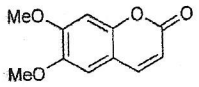
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 6,7-Dimethoxycoumarin (6,7-Dimethylesculetin,Scoparone)
Sample ID : Lot No: 0212220
Injection Volume : 20 uL
Data Filename : 020314L.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 020551
Product Name: 6,7-Dimethylesculetin (6,7-Dimethoxycoumarin)
Lot No.: 0212220

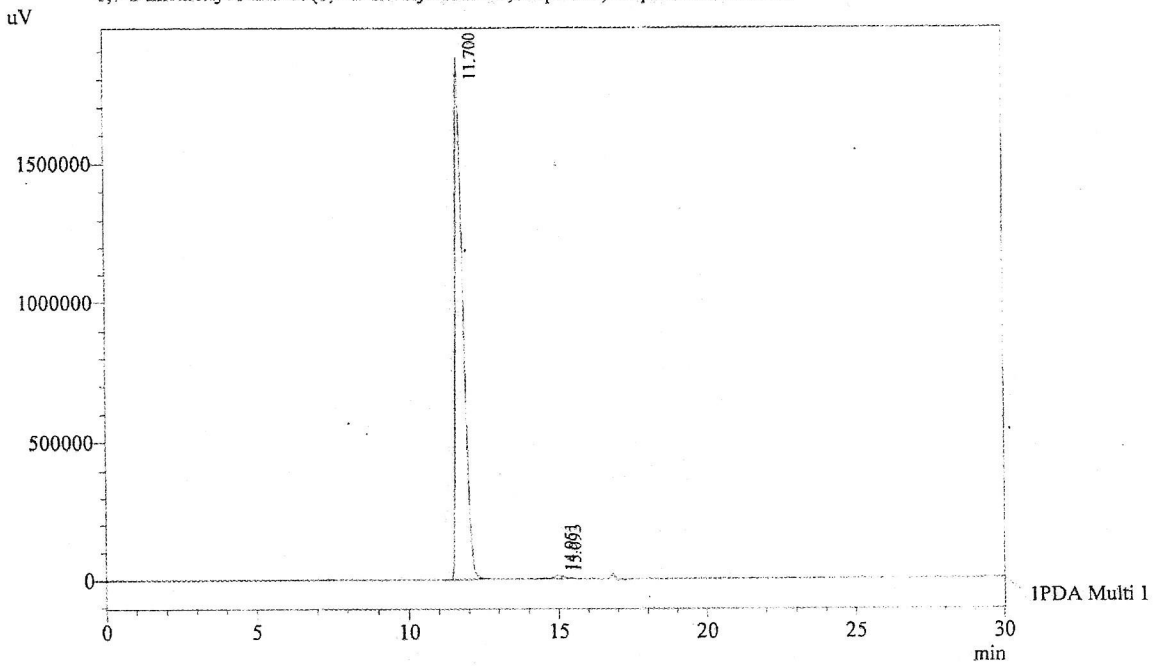


Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)
Flow :1.000 mL/min.
Mobile Phase : A(0.05% TFA in water) B(Acetonitrile)

0.01	90	10
12.0	10	90
20.0	10	90
23.0	90	10
30.0	90	10

Diluent : Acetonitrile

Chromatogram
6,7-Dimethoxycoumarin (6,7-Dimethylesculetin,Scoparone) D:\promonence\Data



1 PDA Multi 1 / 230nm 4nm

PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	6,7-Dimethoxycoumarin	11.700	34507379	99.32	1.00
2	RT:14.951	14.951	158183	0.46	1.28
3	RT:15.083	15.093	78451	0.23	1.29
Total			34744013	100.00	

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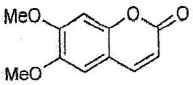
Lot No.: 0212220




```
SOLVENT          CDCl3
NS                   9
DS                   0
SWH          10775.862 Hz
FIDRES        0.359219 Hz
AQ           1.3919572 sec
RG                1820
DW              46.400 usec
DE                6.00 usec
TE               298.2 K
D1          1.50000000 sec
TD0                  1

======== CHANNEL f1 ========
NUC1                 1H
P1                8.50 usec
PL1              -1.00 dB
PL1W        15.17893314 W
SFO1        600.3347345 MHz
SI               32768
SF          600.3300085 MHz
WDW                 EM
SSB                  0
LB                0.30 Hz
GB                   0
PC                1.00
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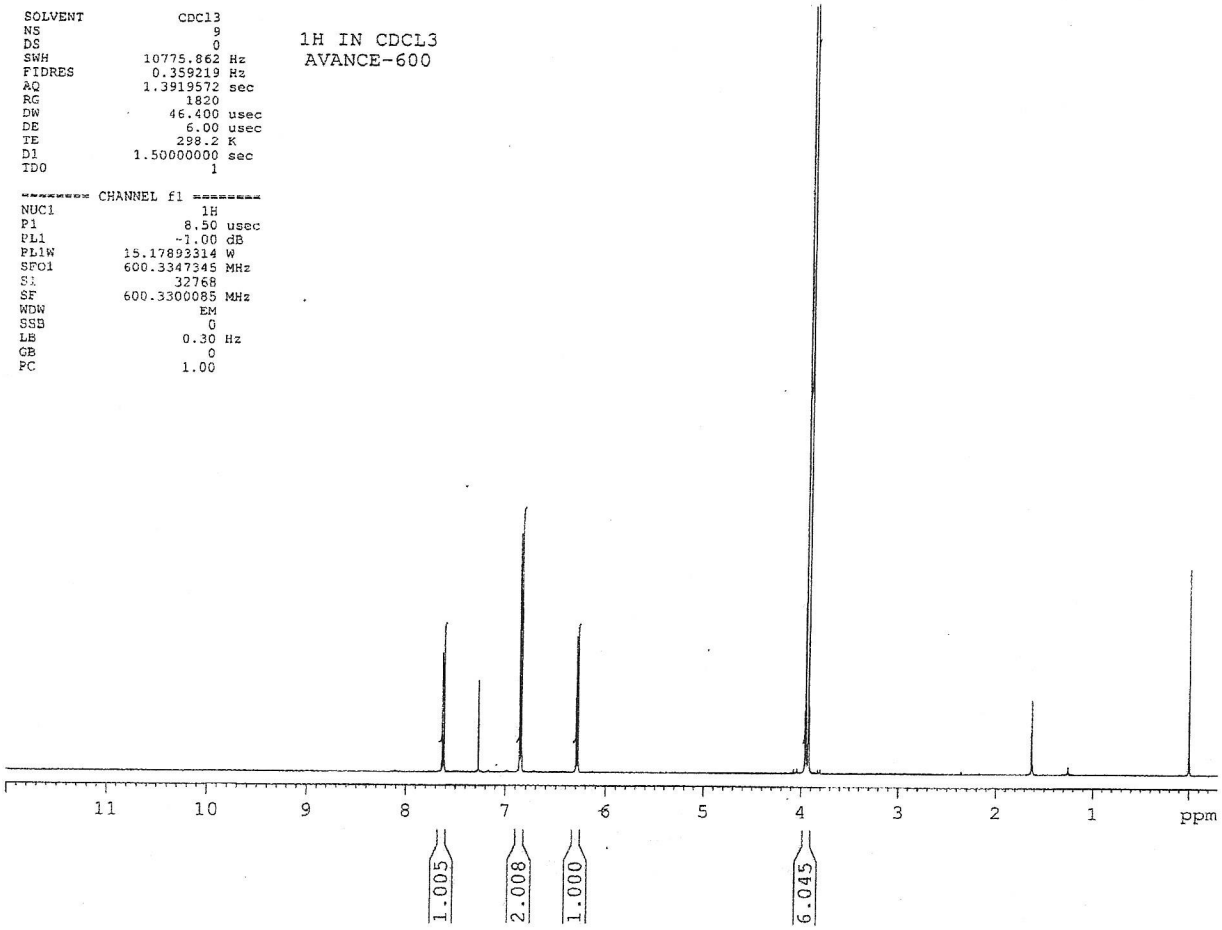
1H IN CDCL3
AVANCE-600



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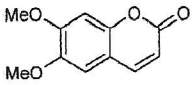
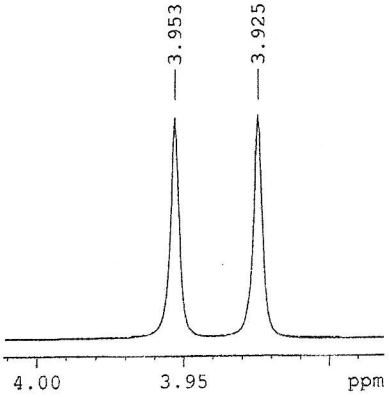
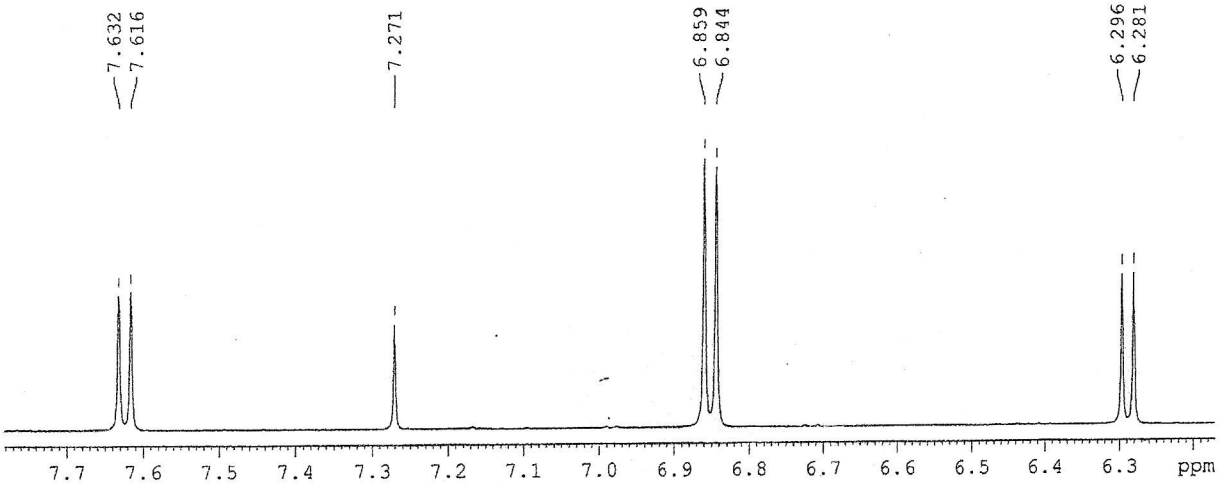


SOLVENT	CDCl3	
NS	9	
DS	0	
SWH	10775.862	Hz
FIDRES	0.359219	Hz
AQ	1.3919572	sec
RG	1820	
DW	46.400	usec
DE	6.00	usec
TE	298.2	K
D1	1.50000000	sec
TD0	1	
======== CHANNEL f1 ========		
NUC1	1H	
P1	8.50	usec
PL1	-1.00	dB
PL1W	15.17893314	W
SFO1	600.3347345	MHz
SI	32768	
SF	600.3300085	MHz
WDW	EM	
SSB	0	
LB	0.30	Hz
GB	0	
PC	1.00	

1H IN CDCL3
AVANCE-600