



# 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-101

Product Name: **7-METHOXYCOUMARIN**  
(Herniarin)

CAS Number: [531-59-9]

Lot Number: 99027

Chemical Formula: C<sub>10</sub>H<sub>8</sub>O<sub>3</sub>

Molecular Weight: 176.17

Melting Point: 113-115°C

Appearance: Beige powder

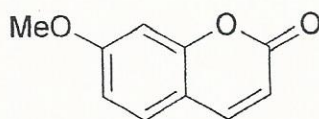
Solubility: Soluble in Chloroform

TLC: n-Hexane:Ethyl acetate (7:3)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.64%





# 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

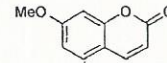
website: [www.indofinechemical.com](http://www.indofinechemical.com)

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

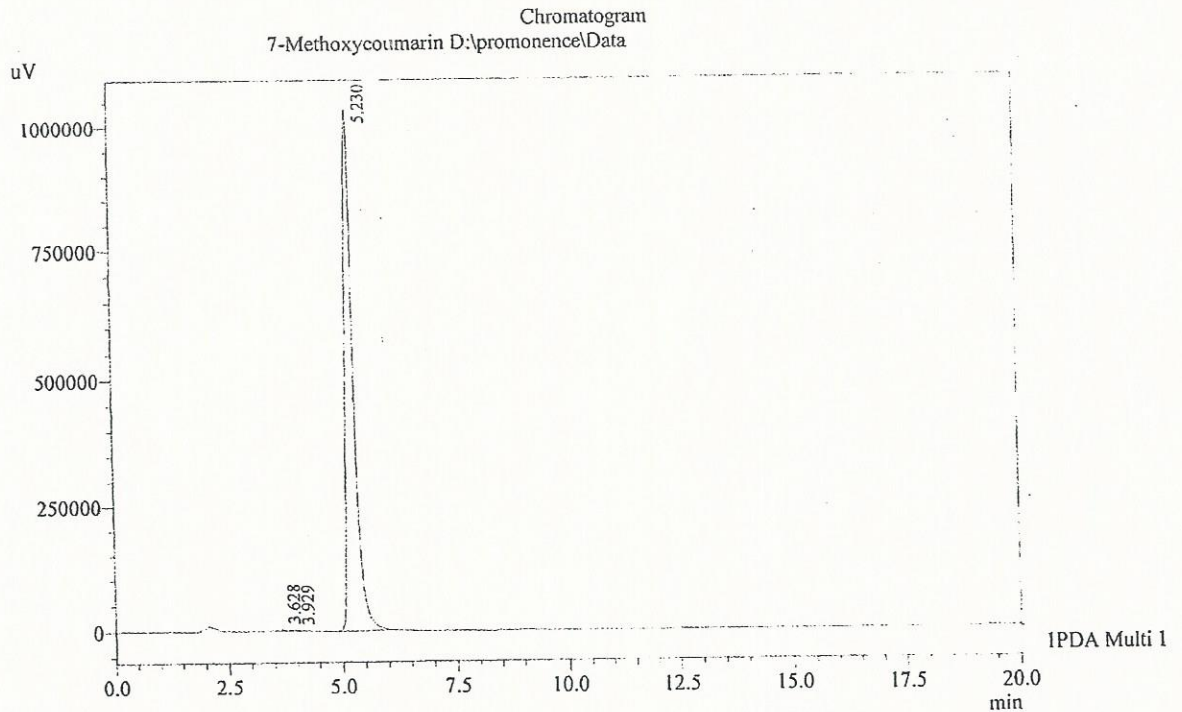
## HPLC ANALYSIS

Acquired by : Admin  
Sample Name : 7-Methoxycoumarin  
Sample ID : 99027  
Injection Volume : 20 uL  
Data Filename : 110615E.lcd  
Method Filename : Linear Isocratic.M.lcm

Catalog No.: H-101  
Product Name: 7-Methoxycoumarin  
Lot No.: 99027



Column : Inertsil ODS-3V, (250mm x4.6mm 5.0μ)  
Flow : 1.000 mL/min.  
Mobile Phase : A(40% of 0.05% TFA in water) B(60% of Acetonitrile)  
Diluent : Acetonitrile



1 PDA Multi 1 / 230nm 4nm

PeakTable

| Peak# | Name              | Ret. Time | Area     | Area % | Relative Retention Time |
|-------|-------------------|-----------|----------|--------|-------------------------|
| 1     | RT:3.628          | 3.628     | 30808    | 0.23   | 0.69                    |
| 2     | RT:3.929          | 3.929     | 16889    | 0.13   | 0.75                    |
| 3     | 7-Methoxycoumarin | 5.230     | 13134954 | 99.64  | 1.00                    |
| Total |                   |           | 13182651 | 100.00 |                         |



# INDOFINE Chemical Company, Inc.

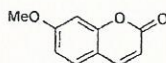
121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

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)

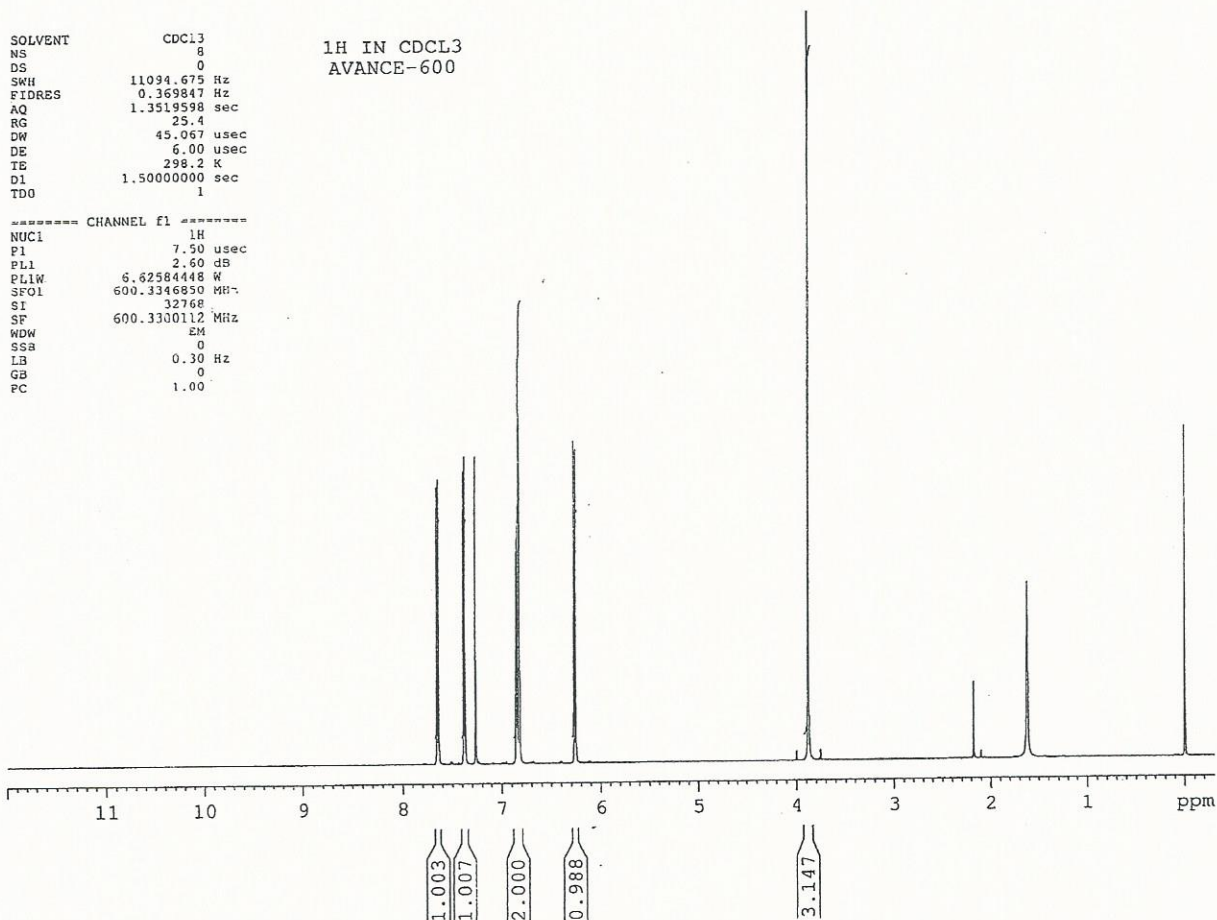
Catalog No.: H-101  
Product Name: 7-Methoxycoumarin  
Lot No.: 99027



SOLVENT CDCl3  
NS 8  
DS 0  
SWH 11094.675 Hz  
FIDRES 0.369847 Hz  
AQ 1.3519598 sec  
RG 25.4  
DW 45.067 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.50000000 sec  
TDO 1

1H IN CDCl3  
AVANCE-600

----- CHANNEL f1 -----  
NUC1 1H  
P1 7.50 usec  
PL1 2.60 dB  
PL1W 6.62584448 W  
SFO1 600.3346830 MHz  
SI 32768  
SF 600.3300112 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00





# 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

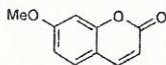
website: [www.indofinechemical.com](http://www.indofinechemical.com)

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

Catalog No.: H-101

Product Name: 7-Methoxycoumarin

Lot No.: 99027



SOLVENT CDCL3  
NS 8  
DS 0  
SWH 11094.675 Hz  
FIDRES 0.369847 Hz  
AQ 1.3519598 sec  
RG 25.4  
DW 45.067 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.50000000 sec  
TD0 1

1H IN CDCL3  
AVANCE-600

\*\*\*\*\* CHANNEL f1 \*\*\*\*\*  
NUC1 1H  
P1 7.50 usec  
PL1 2.60 dB  
PL1W 6.62584448 W  
SFO1 600.3300112 MHz  
SI 32768  
SF 600.3300112 MHz  
NDW EM  
SSB 0  
LB 0.30 Hz  
GS 0  
PC 1.00

