



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.: H-109

<u>Product:</u>	7-HYDROXY-6-METHOXYCOUMARIN (Scopoletin)
<u>CAS Number:</u>	[92-61-5]
<u>Lot Number:</u>	1201187
<u>Chemical Formula:</u>	$C_{10}H_8O_4$
<u>Molecular Weight:</u>	192.17
<u>Melting Point:</u>	203-205°C
<u>Appearance:</u>	Pale yellow powder
<u>Solubility:</u>	Soluble in DMSO
<u>TLC:</u>	Hexane:ethyl acetate (1:1) single compound
<u>Storage:</u>	Cool dry place
<u>Moisture (KF)</u>	0.42%
<u>Assay (HPLC):</u>	99.4%



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

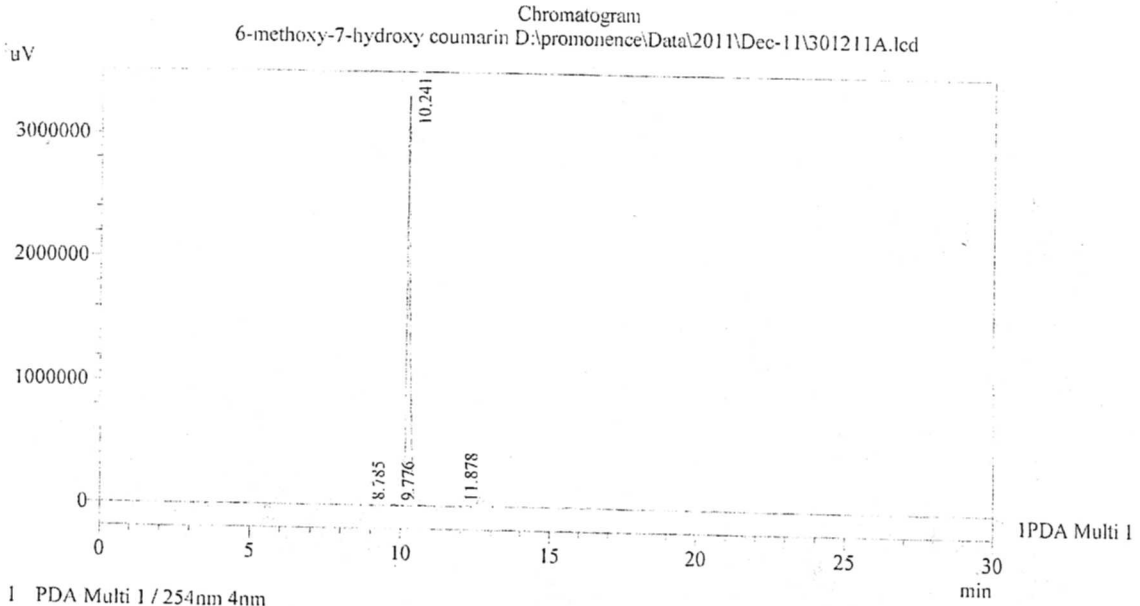
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 6-methoxy-7-hydroxy coumarin
Sample ID : 60 gms
Injection Volume : 20 uL
Data Filename : 301211A.lcd
Method Filename : Linear Gradient M.lcm

Cat. No.: H-109
Product name: 7-Hydroxy-6-methoxycoumarin (Scopoletin)
Lot No.: 1201187

Date Acquired : 12/30/2011 10:27:27 AM
Data Processed : 12/30/2011 11:01:43 AM
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
25.0 10 90
28.0 90 10
30.0 90 10



PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:8.785	8.785	38068	0.16	0.86
2	RT:9.776	9.776	33840	0.14	0.95
3	Scopolitine	10.241	24341798	99.49	1.00
4	RT:11.878	11.878	51753	0.21	1.16
Total			24465458	100.00	

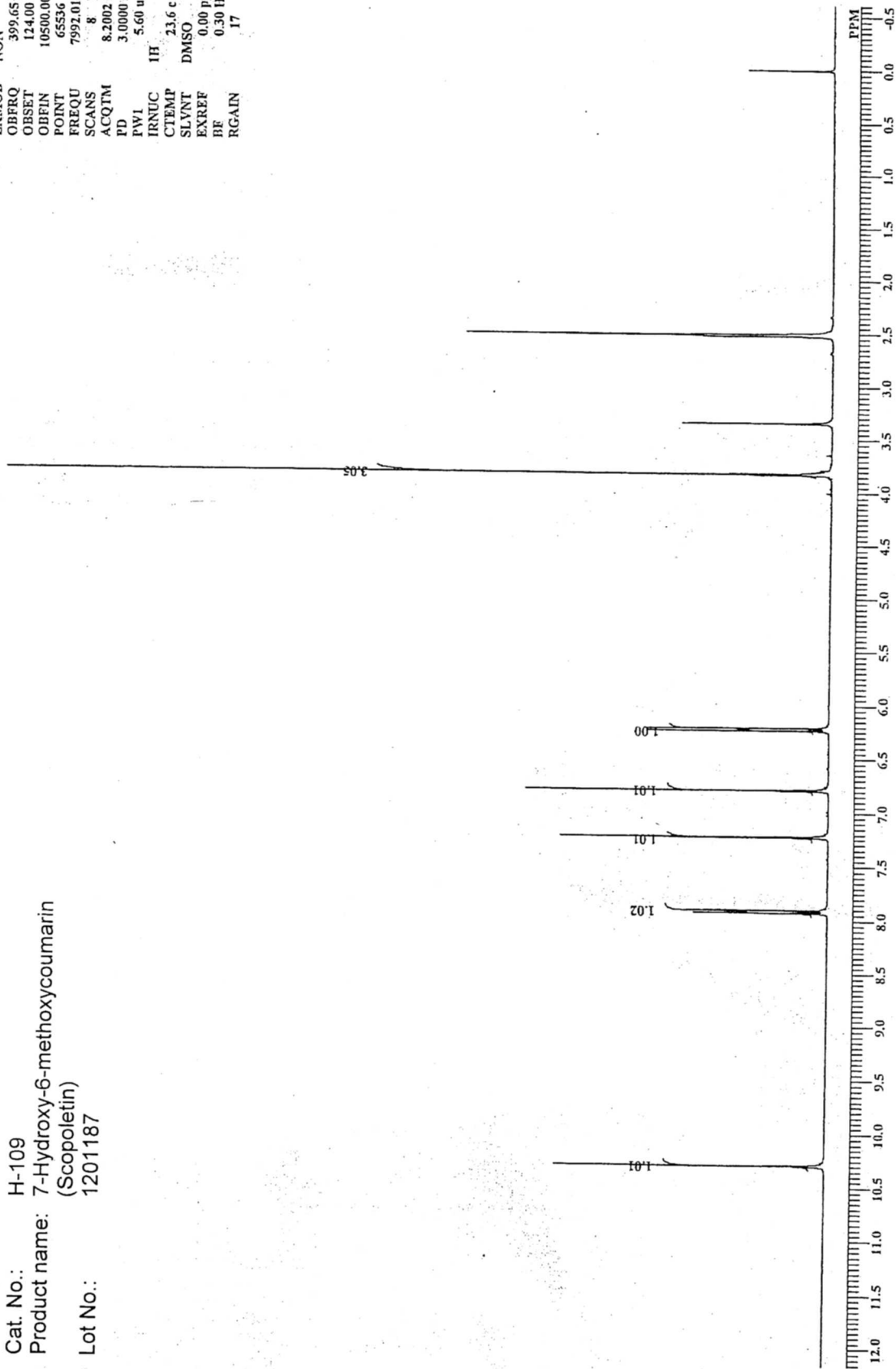


INDOFINE Chemical Company, Inc.
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

DFILE SCO-60gr III.als
COMINT SCO-60gr III NMR DMSO-D6
DATIM Mon Jan 09 13:26:19 2012
OBNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 65336
FREQU 7992.01 Hz
SCANS 8
ACQTM 8.2002 sec
PD 3.0000 sec
PWI 5.60 usec
IRNUC 1H
CTEMP 23.6 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 17

SCO-60gr III NMR DMSO-D6

Cat. No.: H-109
Product name: 7-Hydroxy-6-methoxycoumarin
(Scopoletin)
Lot No.: 1201187





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

SCO-60gr 1H NMR DMSO-D6

Cat. No.: H-109
Product name: 7-Hydroxy-6-methoxycoumarin
(Scopoletin)
Lot No.: 1201187

DFILE SCO-60gr 1H.nls
COMINT SCO-60gr 1H NMR DMSO-D6
DATIM Mon Jan 09 13:26:19 2012
OBRUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 8
ACQIM 8.2002 sec
PD 3.0000 sec
PWI 5.60 usec
IRNUC 1H
CTEMP 23.6 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 17

