



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

Product: 7-HYDROXY-6-METHOXYCOUMARIN
(Scopoletin)

CAS Number: [92-61-5]

Lot Number: 1212259

Chemical Formula: C₁₀H₈O₄

Molecular Weight: 192.17

Melting Point: 201-203°C

Appearance: Pale yellow powder

Solubility: Soluble in DMSO

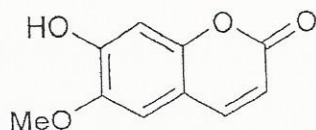
TLC: Chloroform:Methanol (9:1)

Storage: Cool dry place

Water content: 0.40%

NMR Spectrum: Enclosed

Purity (HPLC): 99.24%





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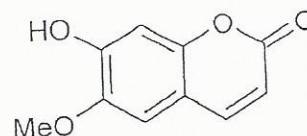
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HPLC ANALYSIS

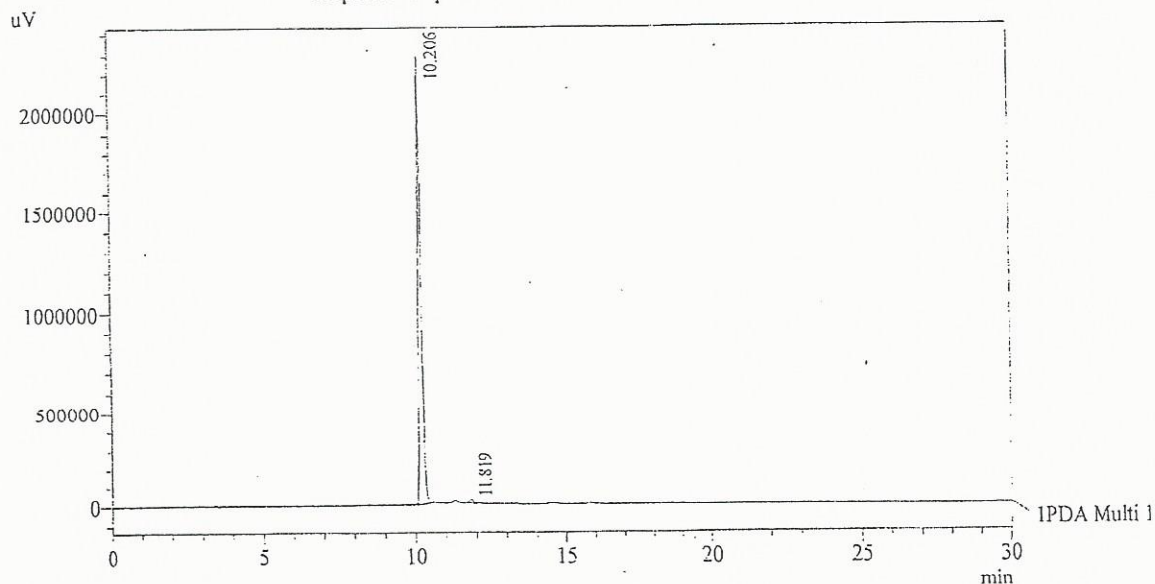
Acquired by : Sanjeev
 Sample Name : Scopoletin
 Sample ID : 212 gms Lot
 Injection Volume : 20 uL
 Data Filename : 241112A..lcd
 Method Filename : Linear Gradient.M.lcm

Catalog no.: H-109
 Product name: Scopoletin
 Lot No.: 1212259



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

Chromatogram
 Scopoletin D:\Promonenc\i>Data



1 IPDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	Scopoletin	10.206	15723380	99.24	1.00
2	RT:11.819	11.819	121017	0.76	1.16
Total			15844396	100.00	



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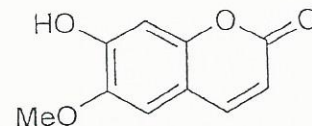
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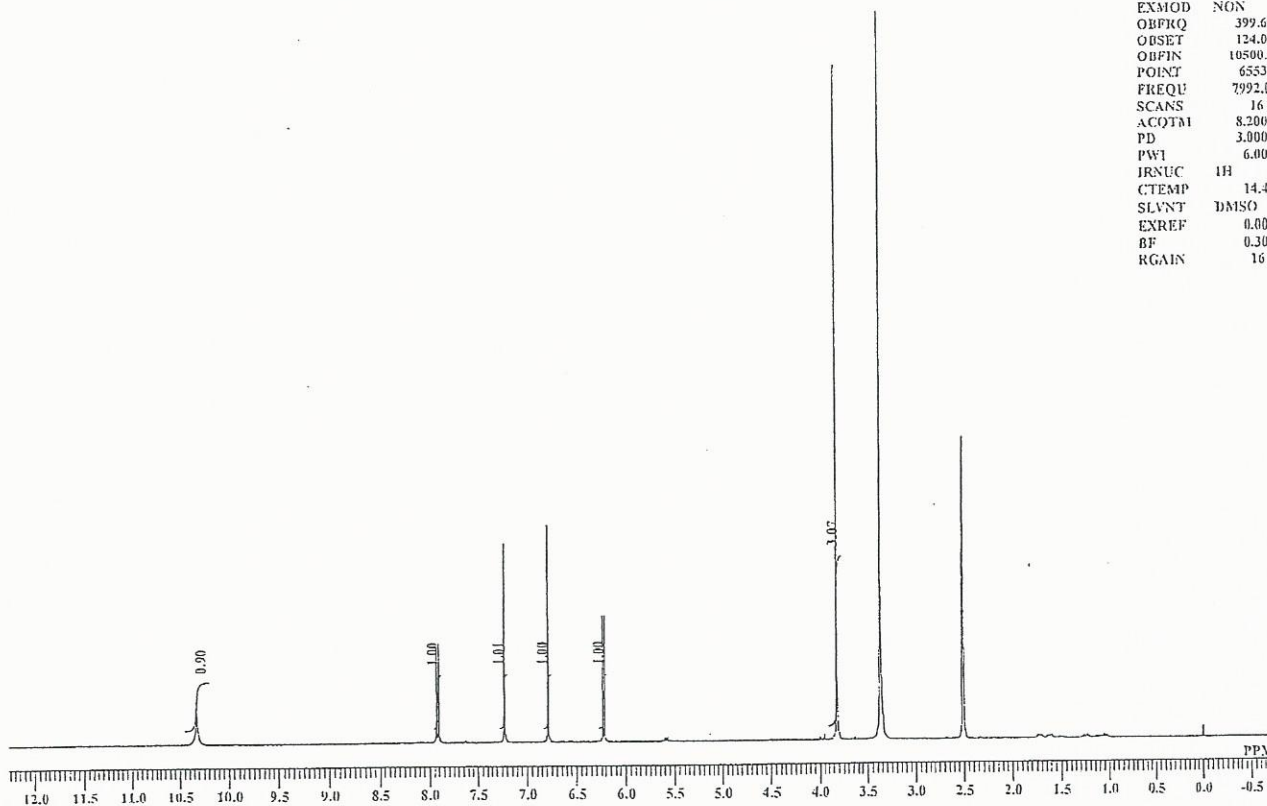
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Catalog no.: H-109
Product name: Scopoletin
Lot No.: 1212259



SCOP #212gms 1H NMR DMSO-d6

DFILE	SCOP #212gms.als
COMNT	SCOP #212gms 1H NMR DMSO-
OBNUC	1H
EXMOD	NON
OBPQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	65536
FREQU	7992.01 Hz
SCANS	16
ACQTM	8.2002 sec
PD	3.0000 sec
PW1	6.00 usec
JRNUC	1H
CTEMP	14.4 c
SLVNT	DMSO
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	16





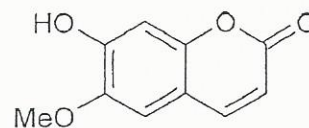
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