



# INDOFINE Chemical Company, Inc.

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

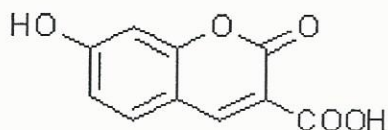
Phone: (908) 359-6778 • FAX: (908) 359-1179

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

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

## CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	19-146
<u>Product Name:</u>	<b>7-HYDROXYCOUMARIN-3-CARBOXYLIC ACID</b> (3-Carboxy-7-hydroxycoumarin)
<u>CAS Number:</u>	[779-27-1]
<u>Lot Number:</u>	0605048
<u>Chemical Formula:</u>	C <sub>10</sub> H <sub>6</sub> O <sub>5</sub>
<u>Molecular Weight:</u>	206.16
<u>Melting Point:</u>	274.6-277°C
<u>Appearance:</u>	Yellow powder
<u>Solubility:</u>	Soluble in DMF
<u>Storage:</u>	Store in a cool, dry place
<u>Purity(HPLC):</u>	99.92%





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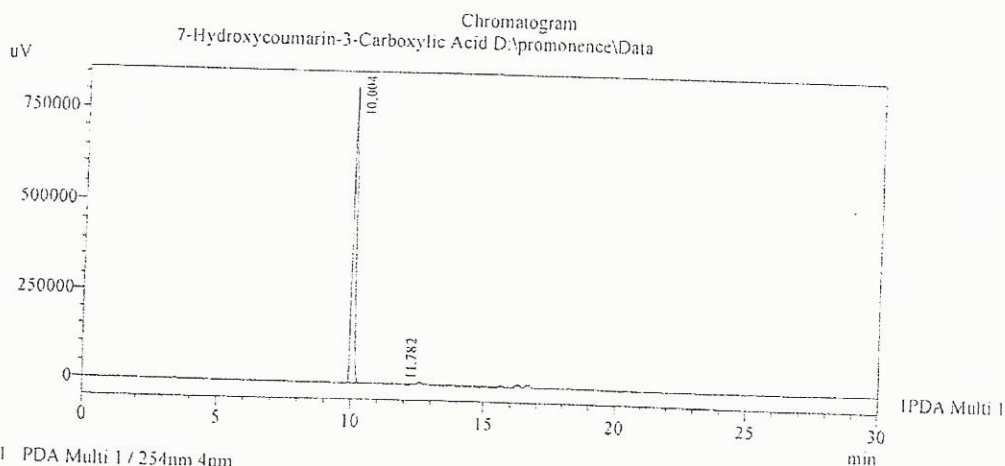
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Acquired by : Admin  
 Sample Name : 7-Hydroxycoumarin-3-Carboxylic Acid  
 Sample ID : Lot No: 0605048  
 Injection Volume : 20 µL  
 Data Filename : 211111D.icd  
 Method Filename : Linear Gradient.M.lcm

Cat. No.: 19-146  
 Product name: 7-Hydroxycoumarin-3-carboxylic acid  
 Lot No.: 0605048

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  
 30.0 90 10



1 PDA Multi 1 / 254nm 4nm

PeakTable

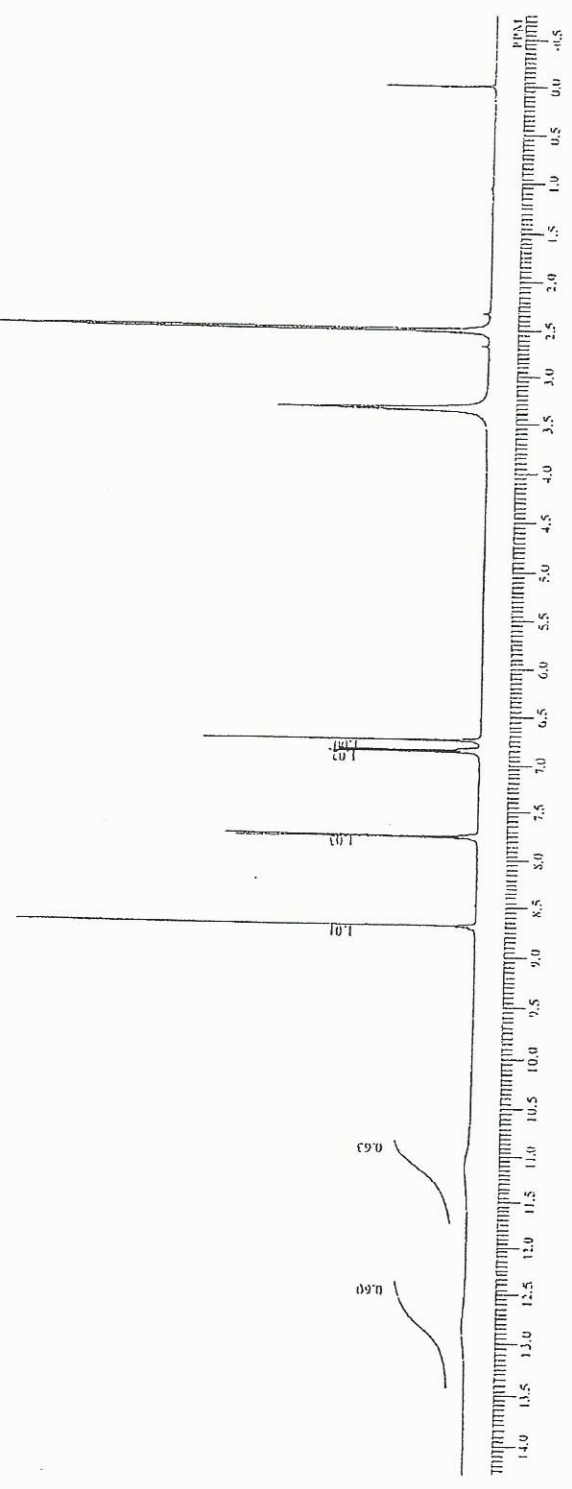
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:10.004	10.004	6895203	99.92	1.00
2	RT:11.782	11.782	5739	0.08	1.18
Total			6900942	100.00	



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BLDG. 30, SUITE 1  
HILLSBOROUGH, NJ 08844

DPH E IFC-1146  
CONST IFC-11 III NMR DMSO-d6  
DXTM III  
QINUC NON  
EX310D  
OUPKQ 399.65 MHz  
OBSF 124.00 KHz  
OBFIN 10890.00 Hz  
POINT 65536  
FREQU 7992.01 Hz  
SCANS 16  
ACQTM 8.7002 sec  
TD 1.0000 sec  
PWI 3.60 usec  
III  
HNSUC  
CTEMP 22.0 c  
SOLVT DMSO  
ENREF 0.00 ppm  
HF 0.00 Hz  
RGAIN 18

IFC-11 III NMR DMSO-d6  
Cat. No.: 19-146  
Product name: 7-Hydroxycoumarin-3-carboxylic acid  
Lot No.: 0605048





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FILE IFC-11ads  
COM1 IFC-11111NMR DMSO-d6  
OBSVC 1H  
EXMID NON  
OBSFQ 399.65 MHz  
OBSF1 124.00 kHz  
OBSF2 10500.00 Hz  
PQINT 65536  
PREU 7992.01 Hz  
SCANS 16  
ACQTIM 8.2002 sec  
TD 3.0690 sec  
FMT 5.60 msec  
IRNSVC 1H  
CTEMP 22.0 c  
SLVNT DMSO  
EXREF 0.00 ppm  
BF 0.30 Hz  
RGAIN 18

IFC-11111NMR DMSO-d6

Cat. No.: 19-146

Product name: 7-Hydroxycoumarin-3-carboxylic acid

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