



# INDOFINE Chemical Company, Inc.

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

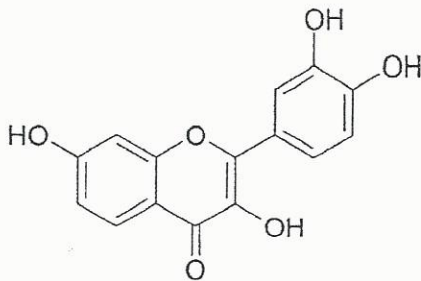
Phone: (908) 359-6778 • FAX: (908) 359-1179

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

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

## CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	F-002
<u>Product Name:</u>	<b>FISETIN</b> (3,7,3',4'-Tetrahydroxyflavone)
<u>CAS No.:</u>	[528-48-3]
<u>Lot Number:</u>	1305323
<u>Molecular Formula:</u>	C <sub>15</sub> H <sub>10</sub> O <sub>6</sub>
<u>Molecular Weight:</u>	286.25
<u>Melting Point:</u>	> 290°C
<u>Appearance:</u>	Light yellow powder
<u>Solubility:</u>	Soluble in DMSO
<u>TLC:</u>	Chloroform : Methanol (8:2)
<u>NMR Spectrum:</u>	Enclosed (Confirms to the structure)
<u>Purity (HPLC):</u>	98.41%
<u>Storage:</u>	Store in a cool, dry place





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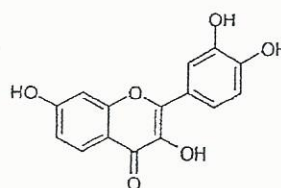
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

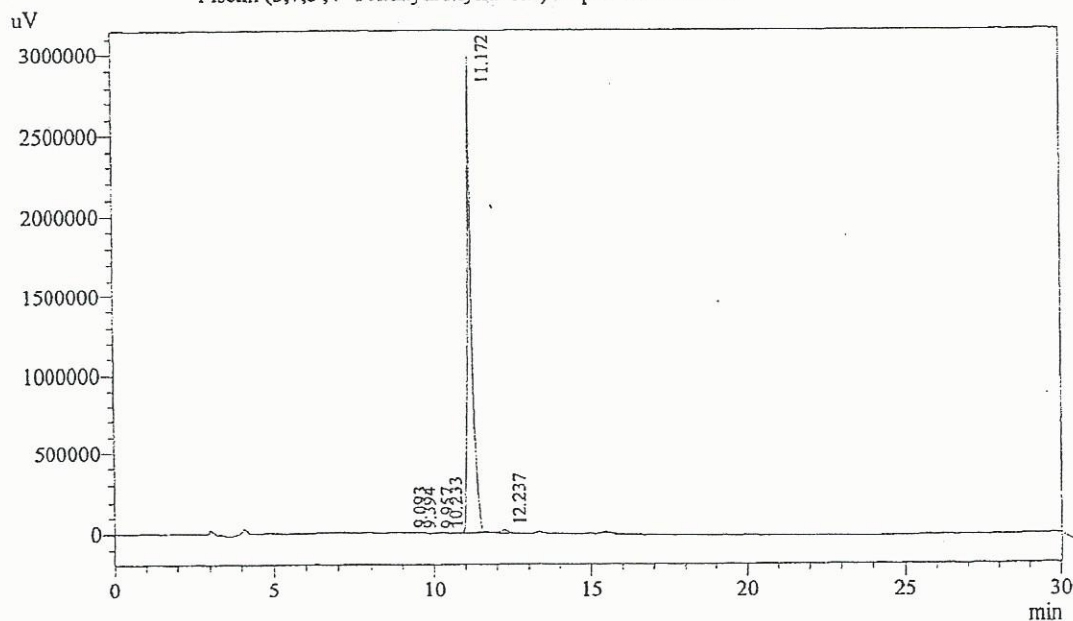
Acquired by : Sanjeev  
 Sample Name : Fisetin (3,7,3',4'-Tetrahydroxyflavone)  
 Sample ID : Lot No- 1305323  
 Injection Volume : 20 uL  
 Data Filename : 150513A.lcd  
 Method Filename : Linear Gradient.M.lcm

Catalog No.: F-002  
 Product name: Fisetin  
 Lot No.: 1305323

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 : Methanol



Chromatogram  
 Fisetin (3,7,3',4'-Tetrahydroxyflavone) D:\promonence\Data



IPDA Multi 1

1 PDA Multi 1 / 230nm 4nm

PeakTable

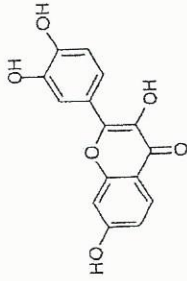
PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:9.093	9.093	31886	0.11	0.81
2	RT:9.394	9.394	4206	0.01	0.84
3	RT:9.957	9.957	4567	0.02	0.89
4	RT:10.233	10.233	68224	0.24	0.92
5	Fisetin	11.172	28188804	98.41	1.00
6	RT:12.237	12.237	345957	1.21	1.10
Total			28643645	100.00	



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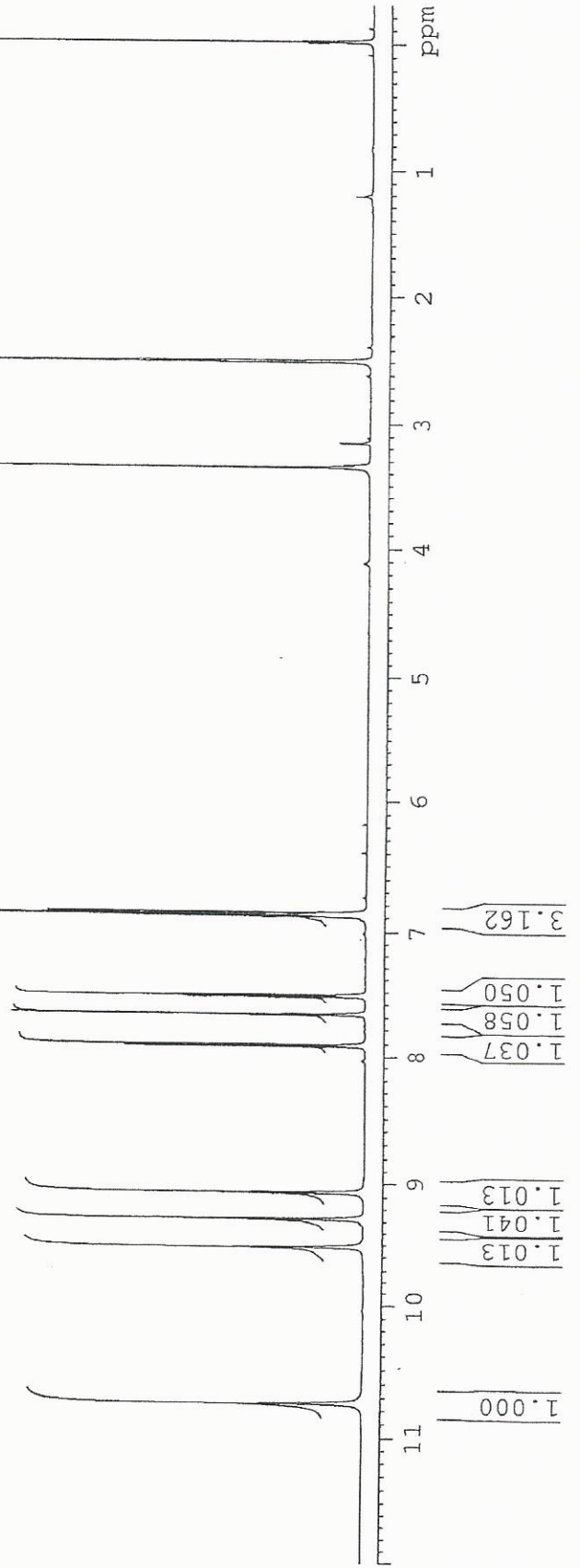
Catalog No.: F-002  
Product name: Fisetin  
Lot No.: 1305323



SOLVENT DMSO  
NS 16  
DS 0  
SWH 9803.922 Hz  
FIDRES 0.326819 Hz  
AQ 1.5299480 sec  
RG 40.3  
DW 51.000 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.50000000 sec  
TD0 1

1H IN DMSO  
AVANCE-600

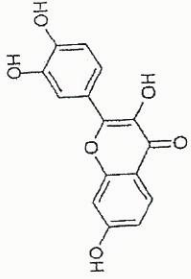
==== CHANNEL f1 =====  
NUC1 1H  
P1 7.50 usec  
PL1 2.60 dB  
PLLW 6.62584448 W  
SF01 600.3345228 MHz  
SI 32768  
SF 600.3300111 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00





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