



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

Catalog Number: F-002

Product Name: **FISETIN**
(3,7,3',4'-Tetrahydroxyflavone)

CAS No.: [528-48-3]

Lot Number: 1704784

Molecular Formula: C₁₅H₁₀O₆

Molecular Weight: 286.25

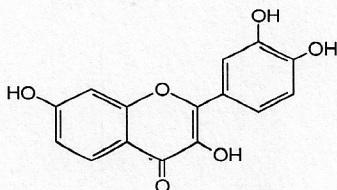
Appearance: Yellow powder

Solubility: Soluble in DMSO

Moisture (KF): 4.07%

Purity (HPLC): 96.6%

Storage: Store in a cool, dry place



Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and Approved by:
Sujata Moton
Sujata Moton
VP



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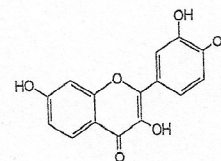
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HPLC ANALYSIS

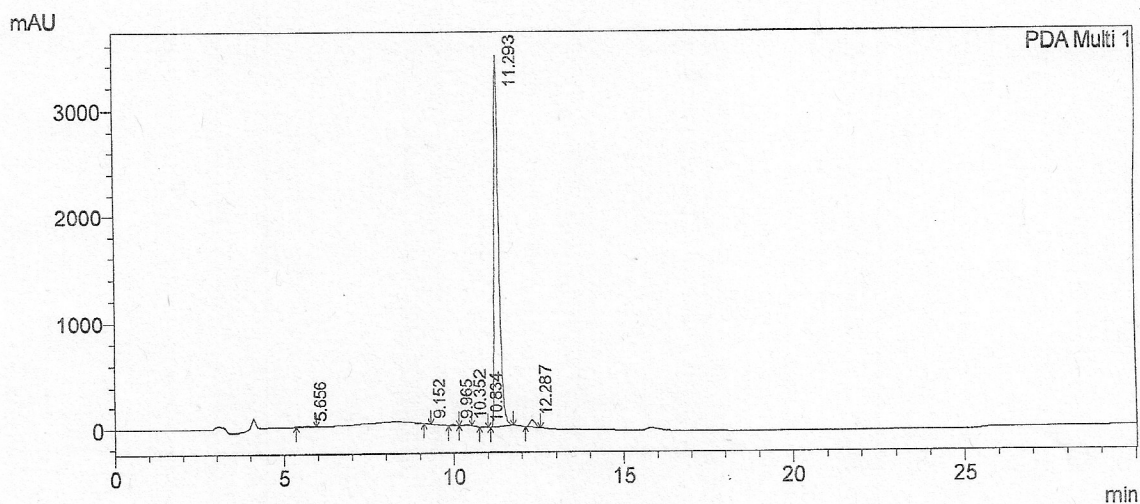
Acquired by : Sanjeev
Sample Name : Fisetin-[3,7,3,4]-Tetrahydro Flavone
Sample ID :
Tray# : 1
Vial # : 1
Injection Volume : 20 uL
Data File Name : 20122024268.lcd
Method File Name : General Method.lcm

Catalog No.: F-002
Product Name: Fisetin
Lot No.: 1704784



Column: Inertsil ODS-3V : 250 x 4.6mm, 5u
Flow Rate: 1.0 ml/min
MP-A: 0.1% OPA in Water: MP-B: Acetonitrile
Diluent: Methanol (0.5mg/ml in diluent)

<Chromatogram>



1 PDA Multi 1/230nm 4nm

PeakTable

PDA Ch1 230nm 4nm

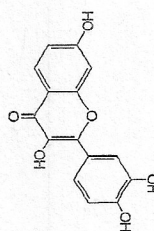
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:5.656	5.656	99792	0.29	0.501
2	RT:9.152	9.152	16545	0.05	0.810
3	RT:9.965	9.965	107042	0.32	0.882
4	RT:10.352	10.352	139457	0.41	0.917
5	RT:10.834	10.834	18949	0.06	0.959
6	RT:11.293	11.293	32803663	96.60	1.000
7	RT:12.287	12.287	774208	2.28	1.088
Total			33959655	100.00	

Prepared by:
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Ramesh Mandadi
Director of Operations

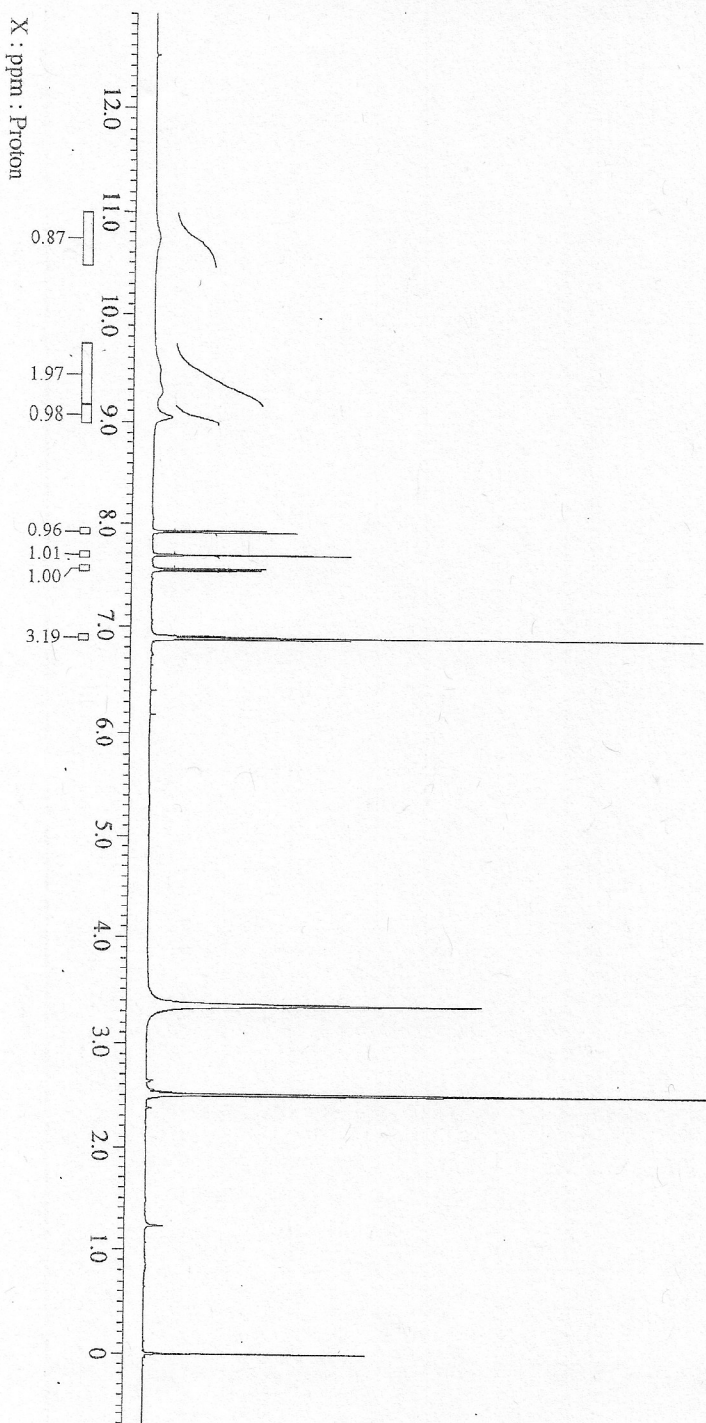
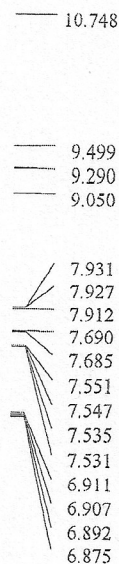
Reviewed and Approved by:
Sujata Moton
Sujata Moton
VP



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Catalog No.: F-002
Product Name: Fisetin
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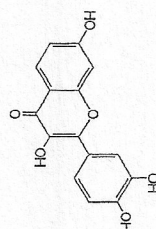
----- PROCESSING PARAMETERS -----
sweep(0.2[Hz], 0.0[s])
trapzoid(0[Hz], 0[Hz], 80[Hz], 100[Hz])
zerofill(1)
fft(1, TRUE, TRUE)
machinephase
ppm
reference(-0.04461[ppm], 0[ppm])
phase(-2.37741, -2.89137, 92.98031[Hz])

Derived from: Fisetin-3,7,3,4-Tetrahydroflavone

Filename = Fisetin-3,7,3,4-Tetrahydroflavone
Instrument = NMR-500MHz (DMSO)
Author = NMR-02
Reviewed by = 1658
Solvent = DMSO-D6
Spectrometer = JNM-ECZ500R/SI
Experiment = proton.jxp
Acquisition Parameter
X_Domain = Proton
X_Offset = 7[ppm]
X_Sweep = 11.28158845[Hz]
Scans = 16
Relaxation_Delay = 21[s]



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7.931
7.927
7.912

7.690
7.685
7.677
7.551
7.547
7.535
7.531

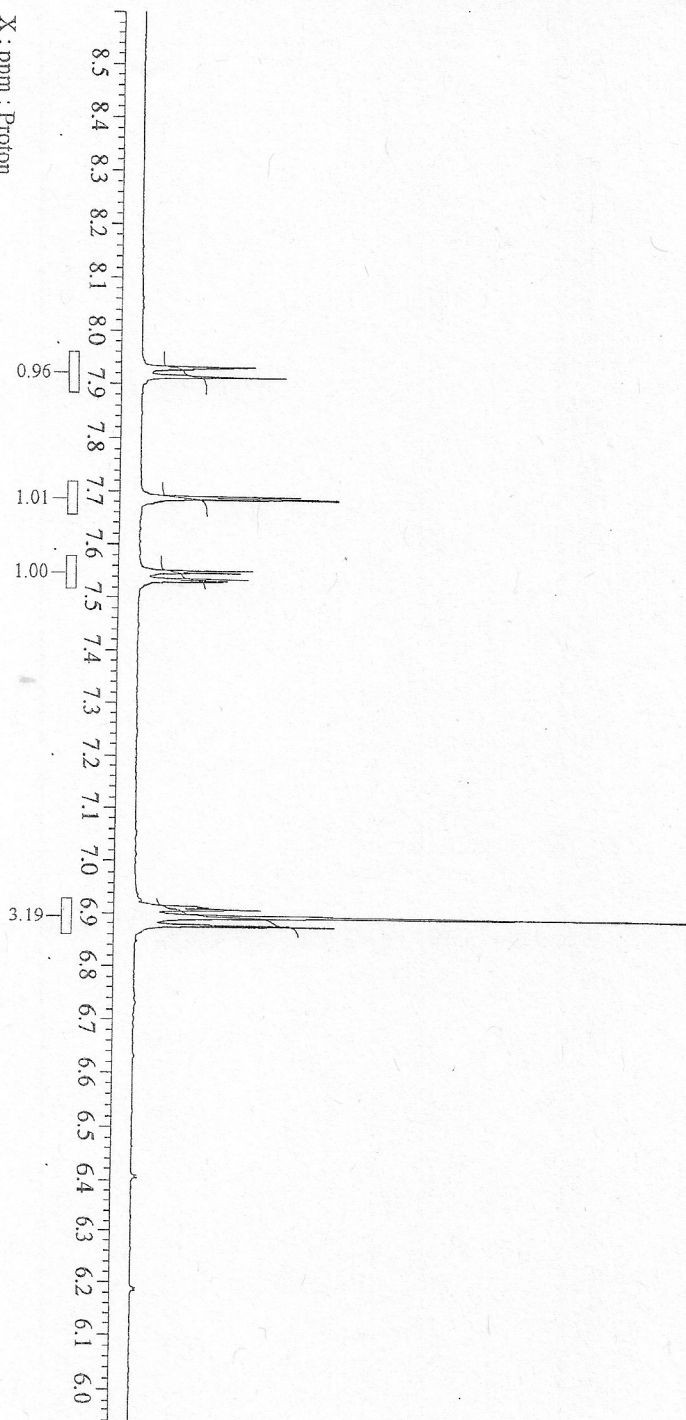
6.917
6.911
6.907
6.892
6.875
6.863

----- PROCESSING PARAMETERS -----
sasp (0.2[Hz], 0.0[s])
trapezoid (0[%], 0[%], 80[%], 100[%])
zerofill (1)
fft (1, TRUE, TRUE)
machinphase

ppm
reference (-0.04461[ppm], 0[ppm])
phase (-2.37741, -2.89137, 92.98031[%])

Derived from: Fisetin-3,7,3,4-Tetrahydratetrao

Filename = Fisetin-3,7,3,4-Tetrahydratetrao
Instrument = NMR-500MHz (JEOL)
Instrument id = NMR-02
Author = 1658
Reviewed by = Ramesh
Solveit = DMSO-D6
Spectrometer = JNM-ECZ500K/S1
Experiment = proton.jxp
Acquisition Parameter
X Domain = Proton
X Offset = 7[ppm]
X Sweep = 11.28158845[kHz]
Scans = 16
Relaxation_Delay = 2[s]



Catalog No.: F-002
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