



INDOFINE Chemical Company, Inc.

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

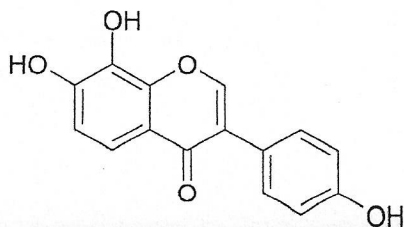
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	19-872
<u>Product Name:</u>	7,8,4'-TRIHYDROXYISOFLAVONE (7,8-Dihydroxy-3-(4-hydroxyphenyl)chromen-4-one)
<u>Cas Number:</u>	[75187-63-2]
<u>Lot Number:</u>	1404455
<u>Chemical Formula:</u>	C ₁₅ H ₁₀ O ₅
<u>Molecular Weight:</u>	270.24
<u>Melting Point:</u>	>300°C
<u>Appearance:</u>	Off white powder
<u>Moisture(KF):</u>	0.3%
<u>TLC:</u>	Hexane:Ethyl acetate (1:1)
<u>Solubility:</u>	Soluble in DMSO
<u>NMR Spectrum:</u>	Enclosed (conforms to the structure)
<u>Storage:</u>	Store in a cool, dry place
<u>Purity(HPLC):</u>	99.11%





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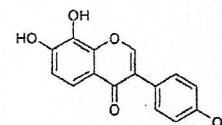
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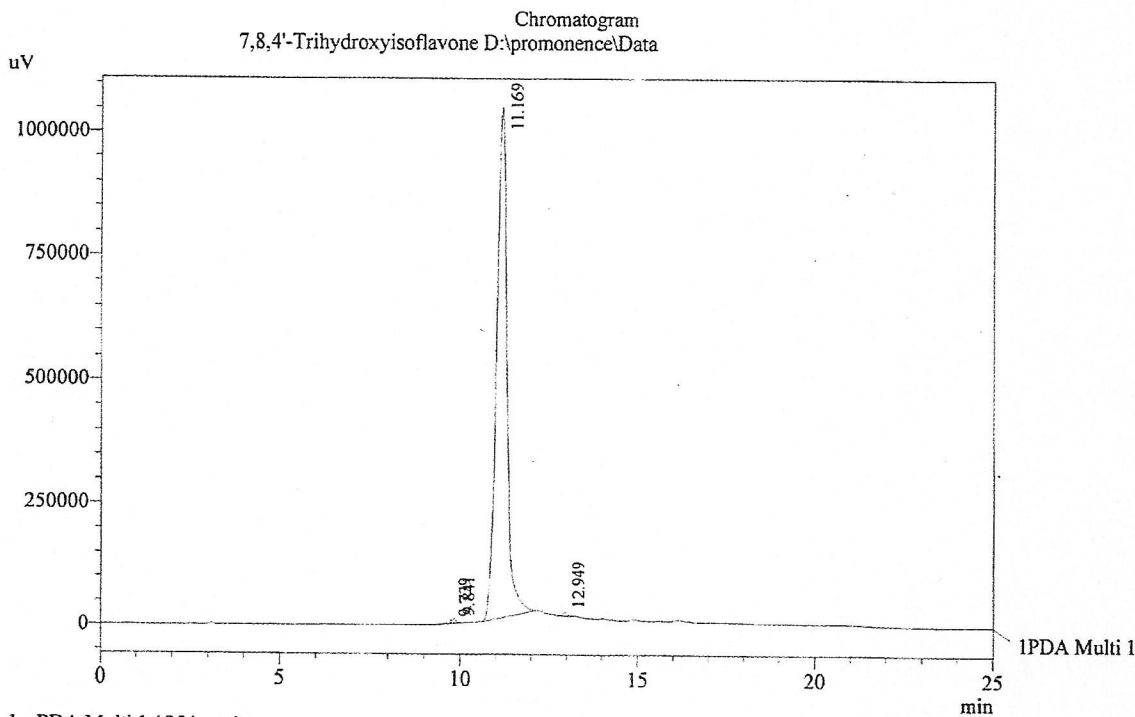
HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 7,8,4'-Trihydroxyisoflavone
 Sample ID : 25 gms Lot
 Injection Volume : 20 uL
 Data Filename : 050414J.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: 19-872
 Product Name: 7,8,4'-Trihydroxyisoflavone
 Lot No.: 1404455



Column : Inertsil ODS, (250mm x4.6mm 5.0μ)
 Flow : 1.000 mL/min.
 Mobile Phase : A(Water) B(Methanol)
 0.01 90 10
 8.0 10 90
 15.0 10 90
 18.0 90 10
 25.0 90 10
 Diluent : Methanol



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:9.739	9.739	39231	0.18	0.87
2	RT:9.841	9.841	77913	0.36	0.88
3	7,8,4'-Trihydroxyisoflavone	11.169	21159063	99.11	1.00
4	RT:12.949	12.949	73527	0.34	1.16
Total			21349735	100.00	



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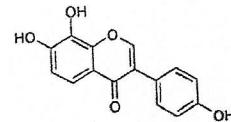
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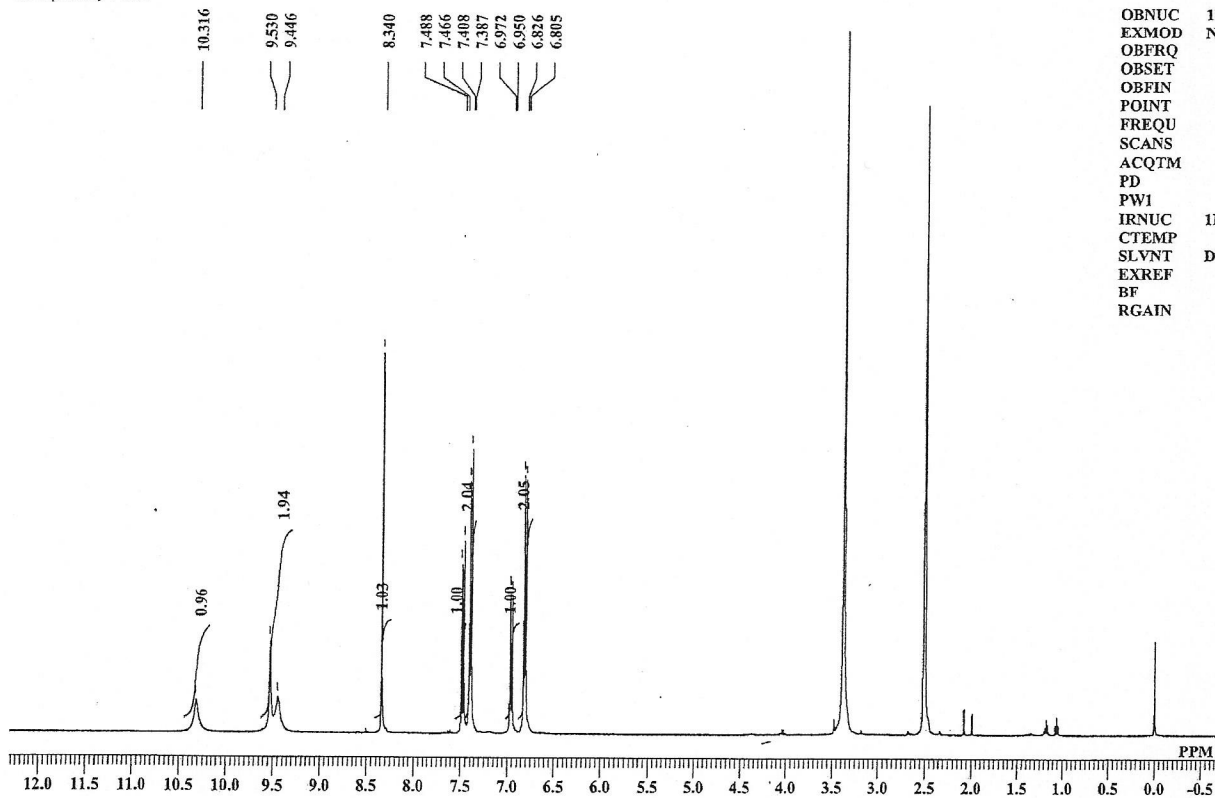


7,8,4-TRI - ISO 1H NMR DMSO-d6

Analysed By : TJR

DFILE 7,8,4-TRI - ISO 1H.als
COMNT 7,8,4-TRI - ISO 1H NMR

OBNUC 1H
EXMOD NON
OBFRQ 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
PWI 5.80 usec
IRNUC 1H
CTEMP 22.0 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 16





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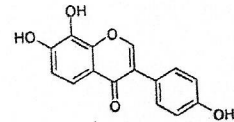
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