



# 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

Cat No.: 19-872

Product: **4',7,8-TRIHydroxyisoflavone**  
(7,8-Dihydroxy-3-(4-hydroxyphenyl)chromen-4-one)

Cas Number: [75187-63-2]

Lot Number: 0512121

Chemical Formula: C<sub>15</sub>H<sub>10</sub>O<sub>5</sub>

Molecular Weight: 270.24

Melting Point: >300°C

Appearance: Off white powder

TLC: Benzene:Ethyl acetate (4:6)

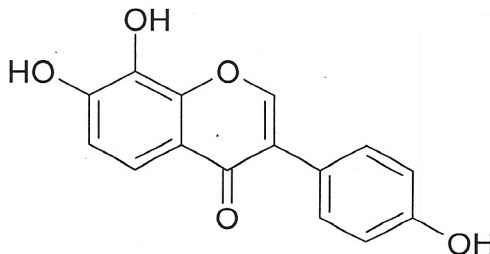
Solubility: Soluble in DMSO

NMR Spectrum: Enclosed

IR Spectrum: Enclosed

Storage: Cool dry place

Purity(HPLC): 99.8%





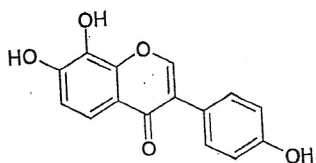
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## HPLC ANALYSIS

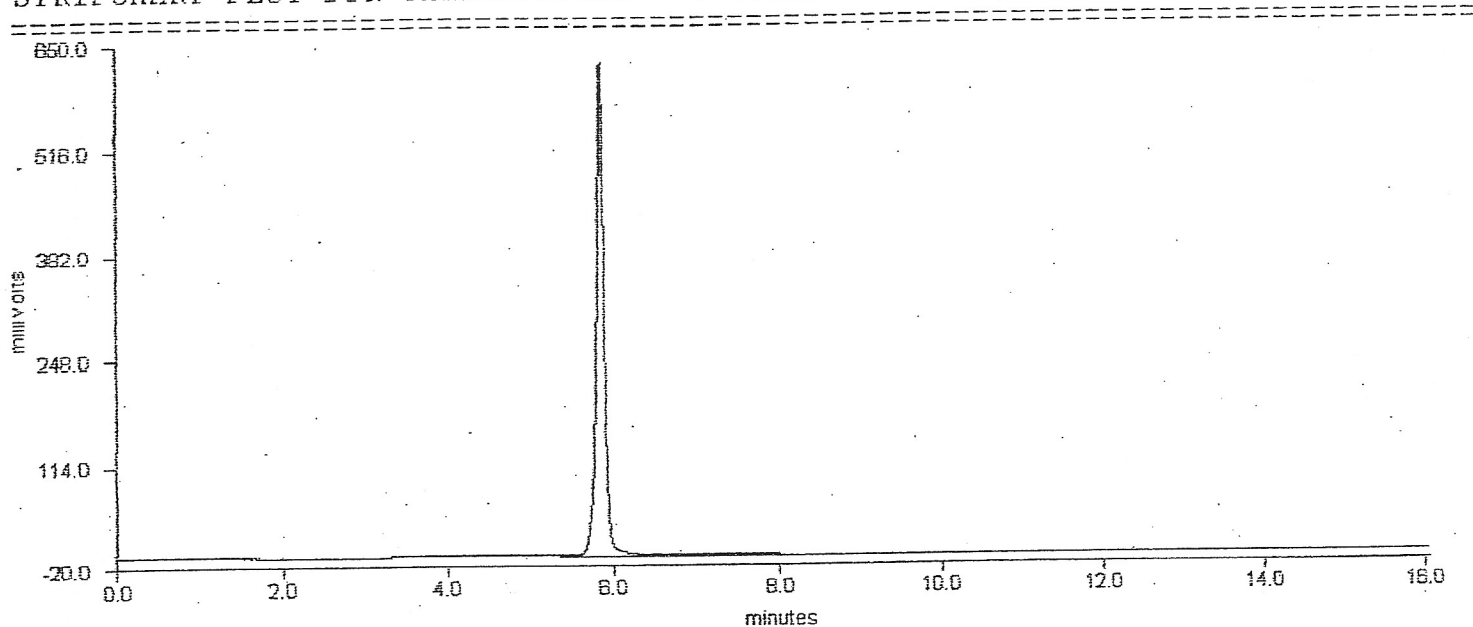
Catalog no.: 19-872  
Product name: 7,8,4'-Trihydroxyisoflavone  
Lot No.: 0512121

FLOW RATE : 1.0ml/Min WAVELENGTH : 254nm. COLUMN : C18(250mmX4.6)  
MOBILE PHASE : METHANOL+WATER(80+20)

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DELTA CHROMATOGRAPHY DATA SYSTEM

STRIPCHART PLOT FOR CHROMATOGRAM - c:\deltaw\data\np-12023.raw



DELTA CHROMATOGRAPHY DATA SYSTEM

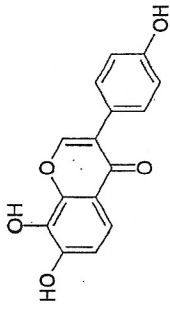
LISTING PEAK TABLE FOR CHROMATOGRAM - c:\deltaw\data\np-12023.raw.RAW

#	Type	Name	Ret.Time	Area(uVSec)	Height(mV)	Area Percent
1	PM		5.84	4185672	634.2	99.8
2	VE		7.20	10008	0.4	0.2

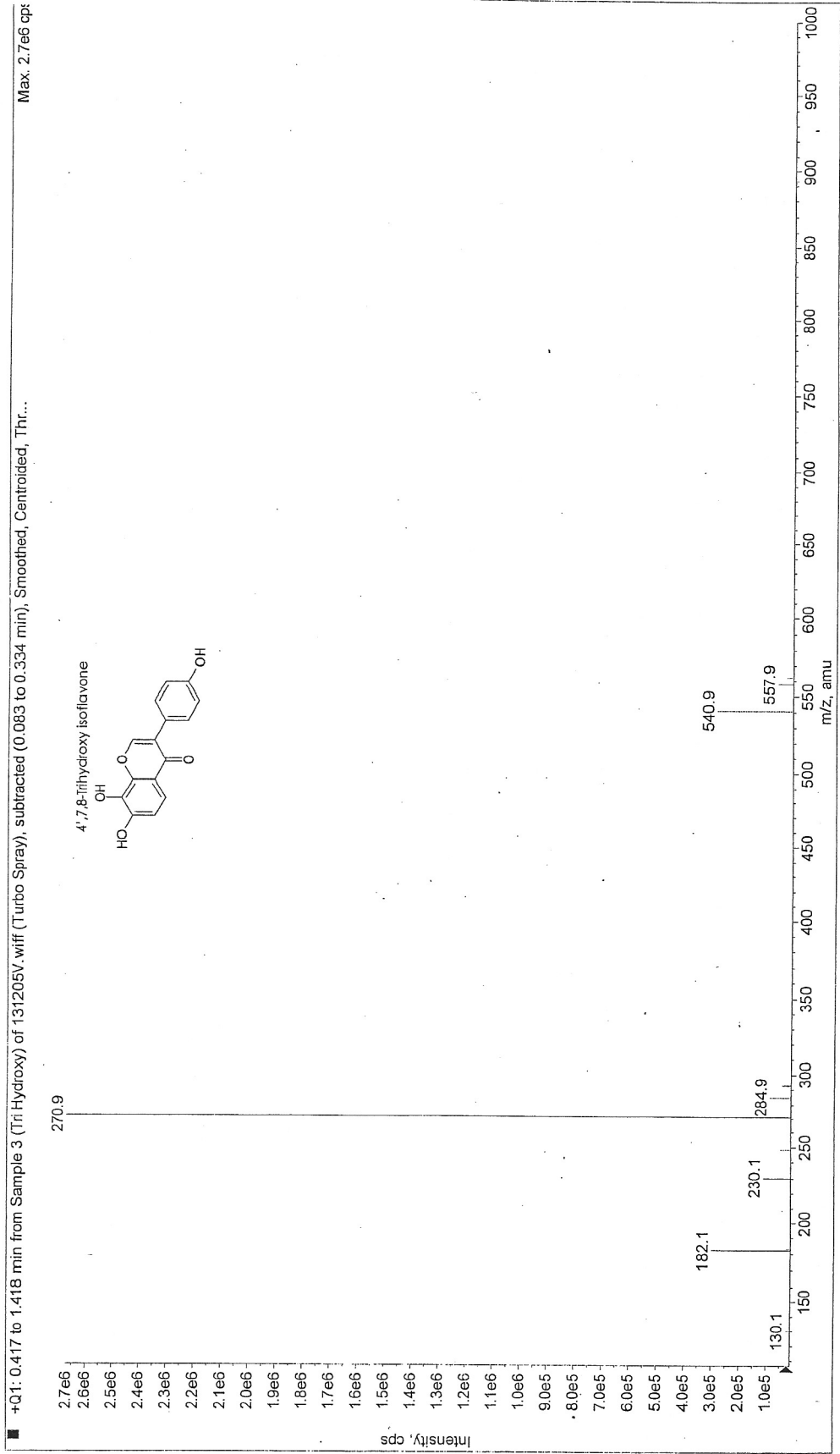


**INDOFINE Chemical Company, Inc.**  
121 STRYKER LANE  
BLDG. 30, SUITE 1  
HILLSBOROUGH, NJ 08844

Catalog no.: 19-872  
Product name: 7,8,4'-Trihydroxyisoflavone  
Lot No.: 0512121



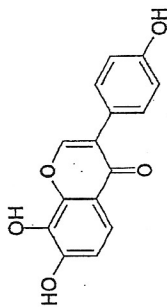
\*SLS



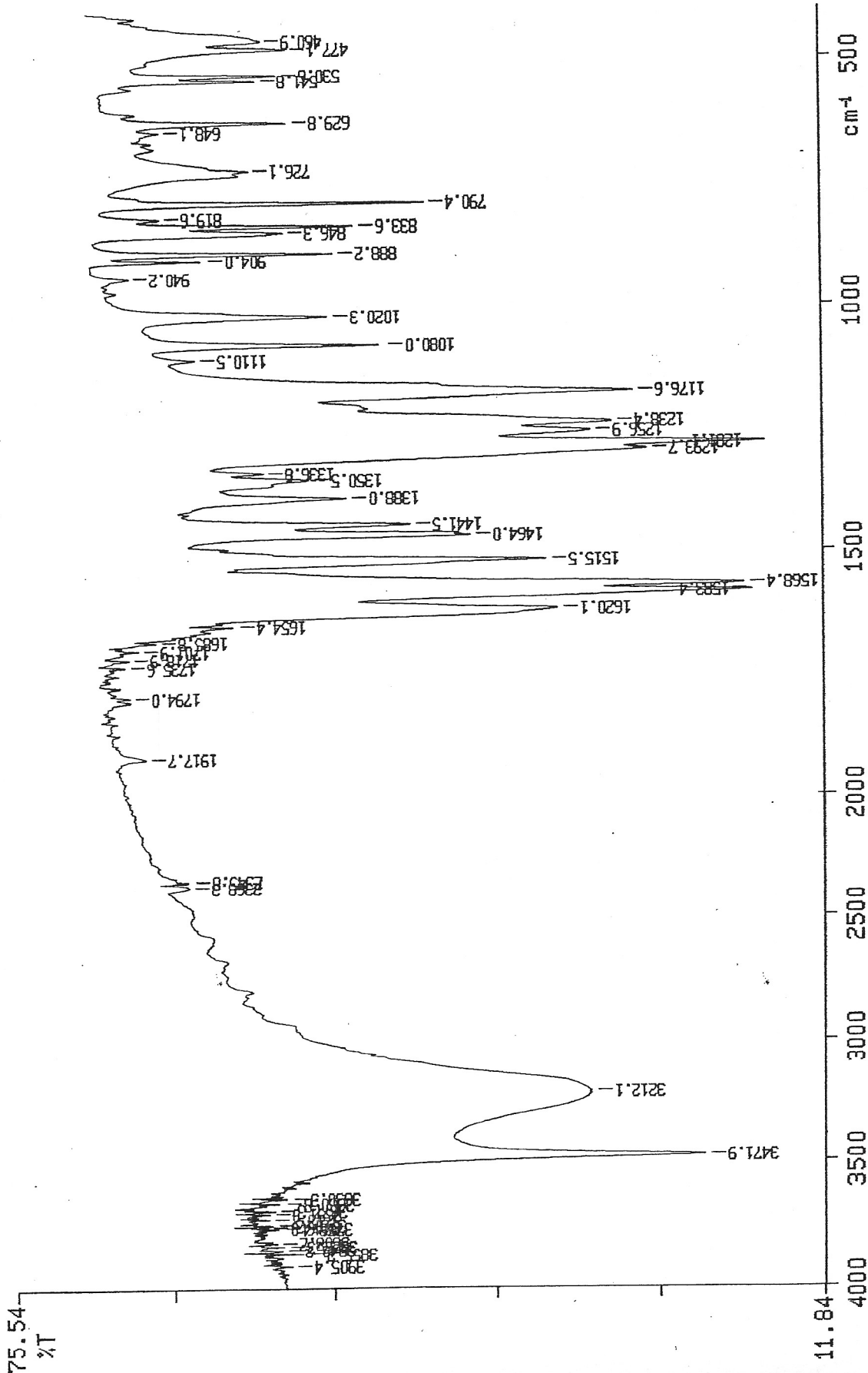


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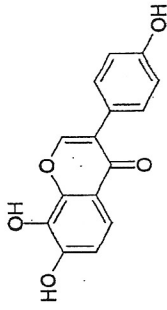
PERKIN ELMER





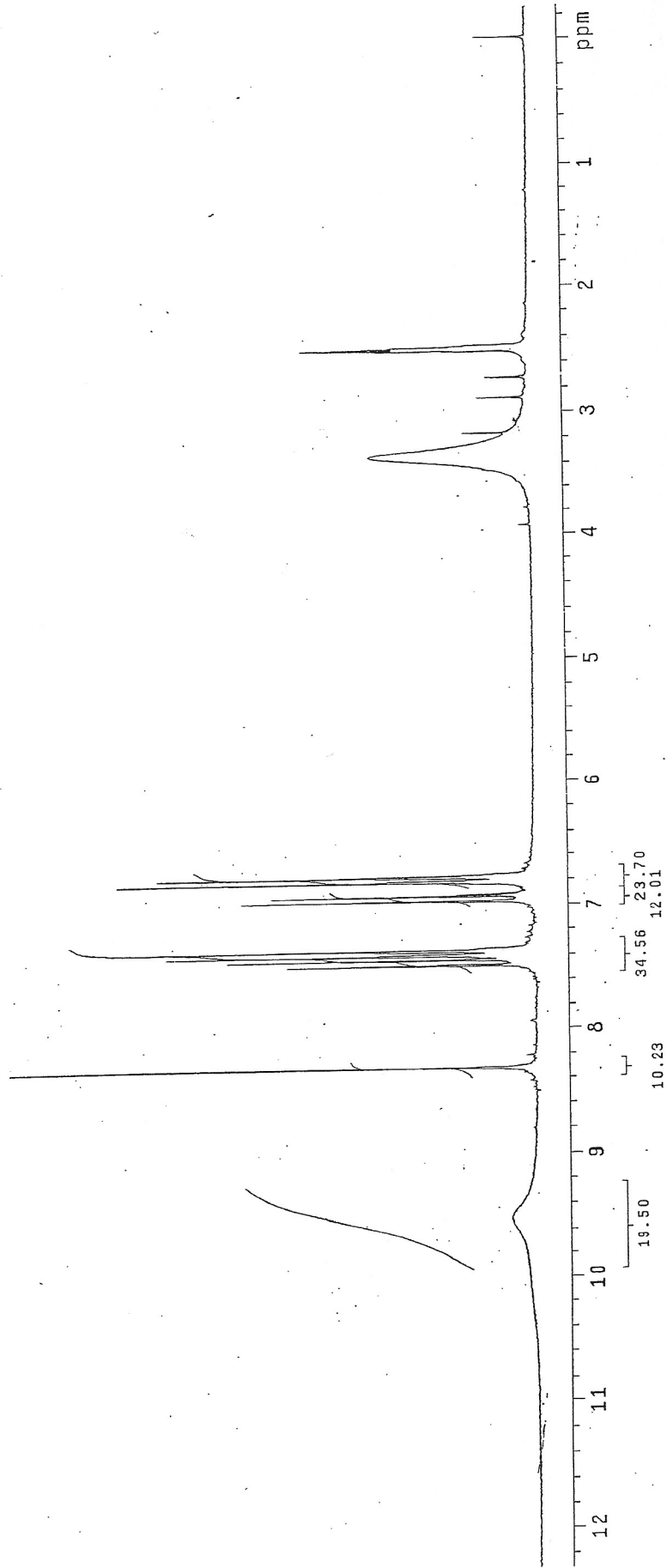
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TRI HYDROXY  
H1, DMSO-D6  
SLS, 13-12-2005

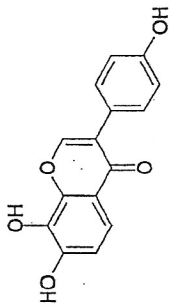
Pulse Sequence: s2pu1





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INDEX	FREQUENCY	PPM	HEIGHT
1	1904.728	9.525	4.0
2	1663.366	8.318	80.7
3	1495.621	7.479	37.8
4	1487.197	7.437	47.1
5	1479.872	7.400	56.4
6	1471.448	7.358	65.8
7	1392.337	6.863	44.7
8	1388.546	6.819	40.2
9	1363.402	6.818	63.9
10	1354.612	6.774	57.7
11	690.957	3.455	7.3
12	667.883	3.340	24.7
13	631.624	3.158	10.4
14	574.854	2.875	8.0
15	543.356	2.717	6.7
16	501.603	2.508	13.2
17	498.772	2.498	25.9
18	497.940	2.490	34.7
19	496.109	2.481	25.4
20	-3.097	-0.015	7.8

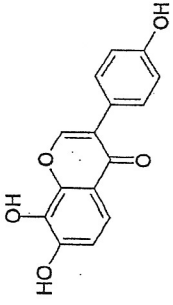
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SLS, 13-12-2005

Pulse Sequence: s2pu1



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Pulse Sequence: szpu1

