



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

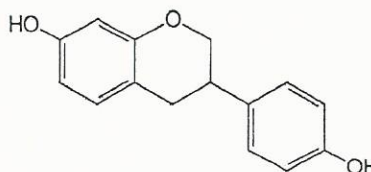
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

CAT. No.: 021268

<u>Product Name:</u>	(+/-)-EQUOL (7,4'-Dihydroxyisoflavan)
<u>CAS Number:</u>	[531-95-3]
<u>Lot Number:</u>	0806034
<u>Chemical Formula:</u>	C ₁₅ H ₁₄ O ₃
<u>Molecular Weight:</u>	242.27
<u>Melting Point:</u>	154.5-156°C
<u>Appearance:</u>	White crystalline solid
<u>Storage:</u>	Store at or below -20°C
<u>Solubility:</u>	Soluble DMSO, in Methanol and ethanol
<u>T L C:</u>	>99%
<u>HPLC Purity:</u>	>99%





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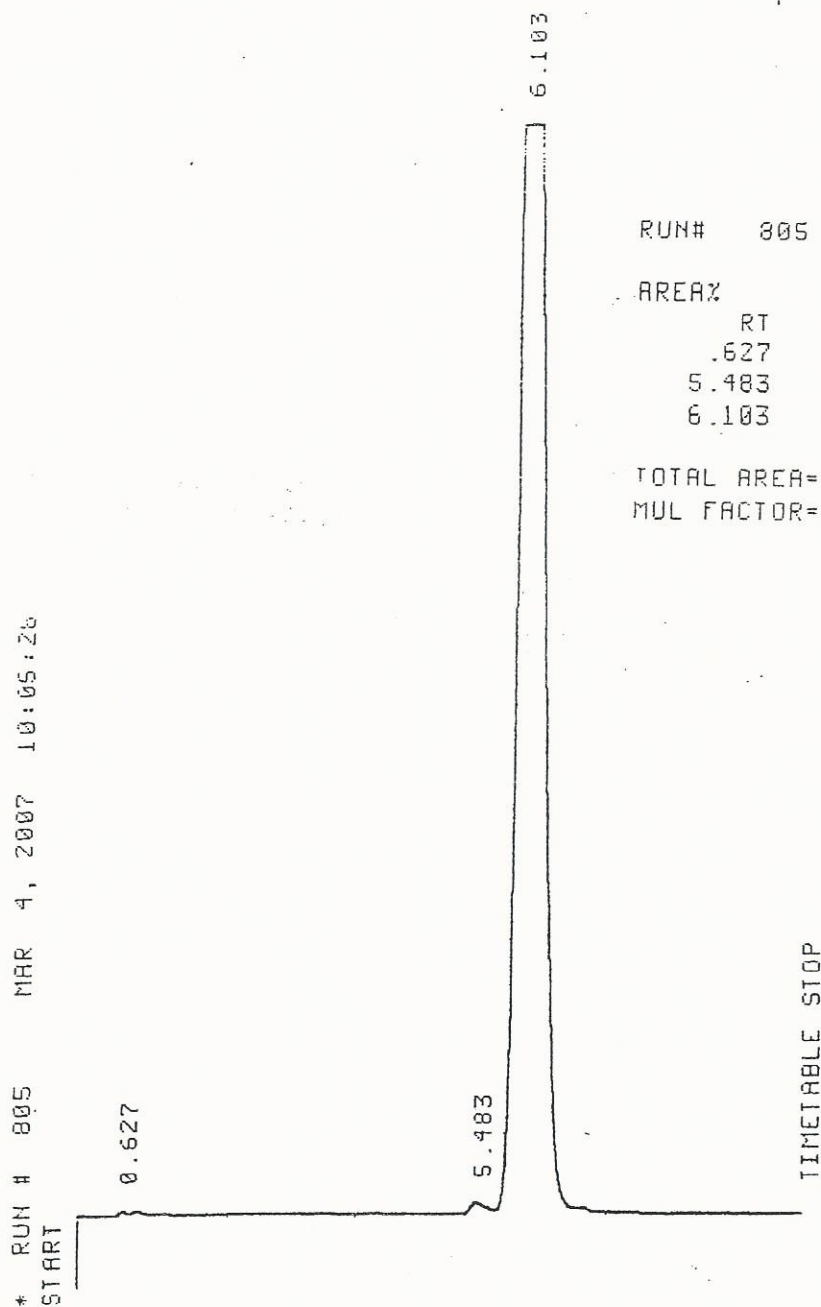
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Cat. No.: 021268

Product: (+/-)-Equol

Lot No.: 0806034



RUN# 805 MAR 4, 2007 10:05:28

AREAZ

RT	AREA	TYPE	WIDTH	AREAZ
.627	2239	PU	.108	.09900
5.483	9296	PU	.216	.41104
6.103	2250053	UB	.308	99.48995

TOTAL AREA=2261587

MUL FACTOR=1.0000E+00

HPLC: C₁₈ Column, 4.6 mm x 30 cm
Acetonitrile/Water 40/60
2 mL/min
UV₂₅₄ Detection



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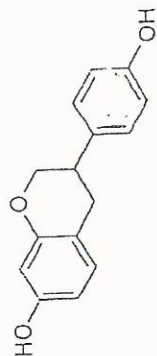


- TLC: 60 Å silica gel plates with fluorescent indicator
- Develop with hexane/ethyl acetate 50/50
- Visualize via short wave UV fluorescence quenching
- Also visualize by exposure to iodine vapor



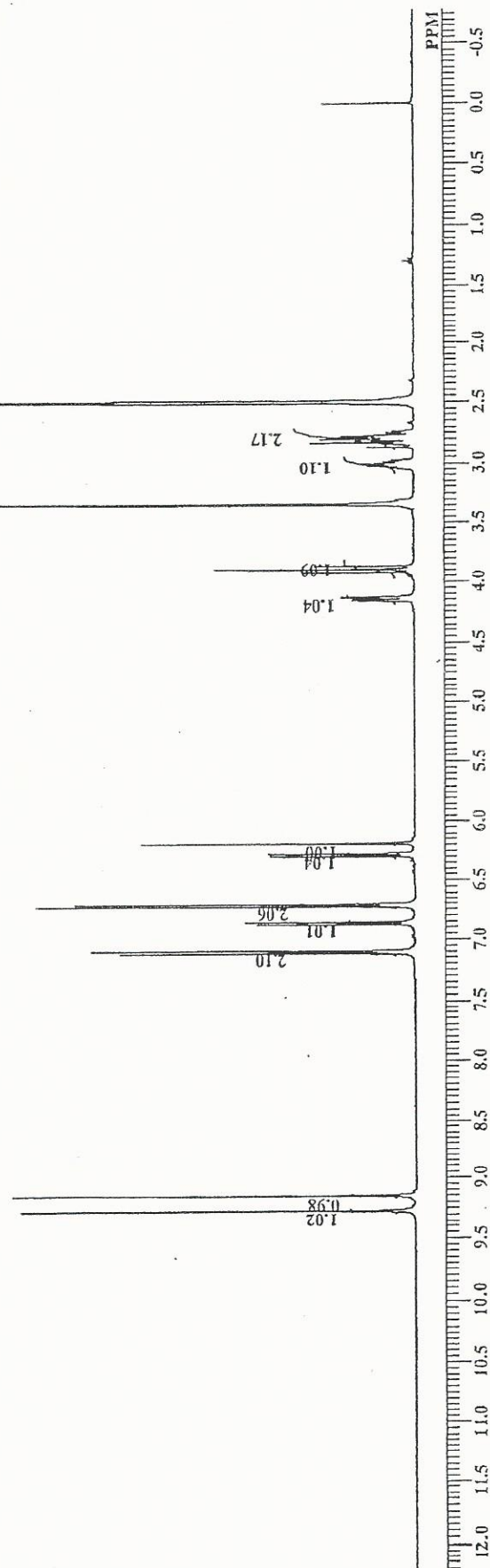
INDOFINE Chemical Company, Inc.
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

Catalog no.: 021268
Product name: (+/-)-Equol
Lot No.: 0806034



EQUOL 1H NMR DMSO-D6

DFILE	EQUOLals
COMNT	EQUOL III NMR D1
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
PW1	6.00 usec
IRNUC	1H
CTEMP	5.0 c
SLVNT	DMSO
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	18



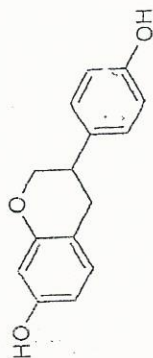


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121 STRYKER LANE

BLDG. 30, SUITE 1

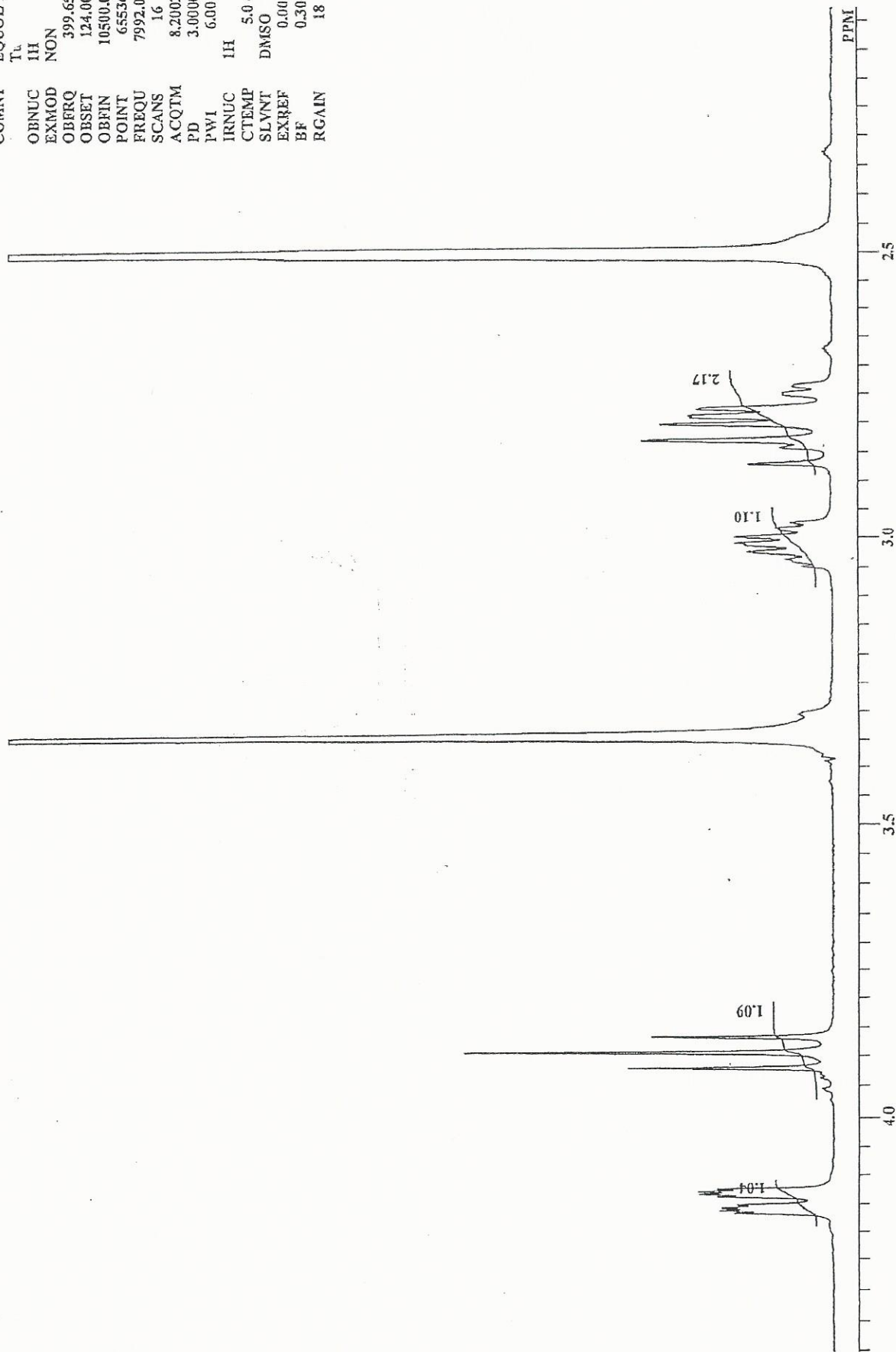
HILLSBOROUGH, NJ 08844



Catalog no.: 021268
Product name: (+/-)-Equol
Lot No.: 0806034

EQUOL 1H NMR DMSO-D6

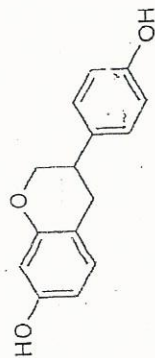
DFILE EQUOL.als
COMNT EQUOL 1H NMR DV
T_a 1H
OBNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 3.0000 sec
PWI 6.00 usec
IRNUC 1H
CTEMP 5.0 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 18





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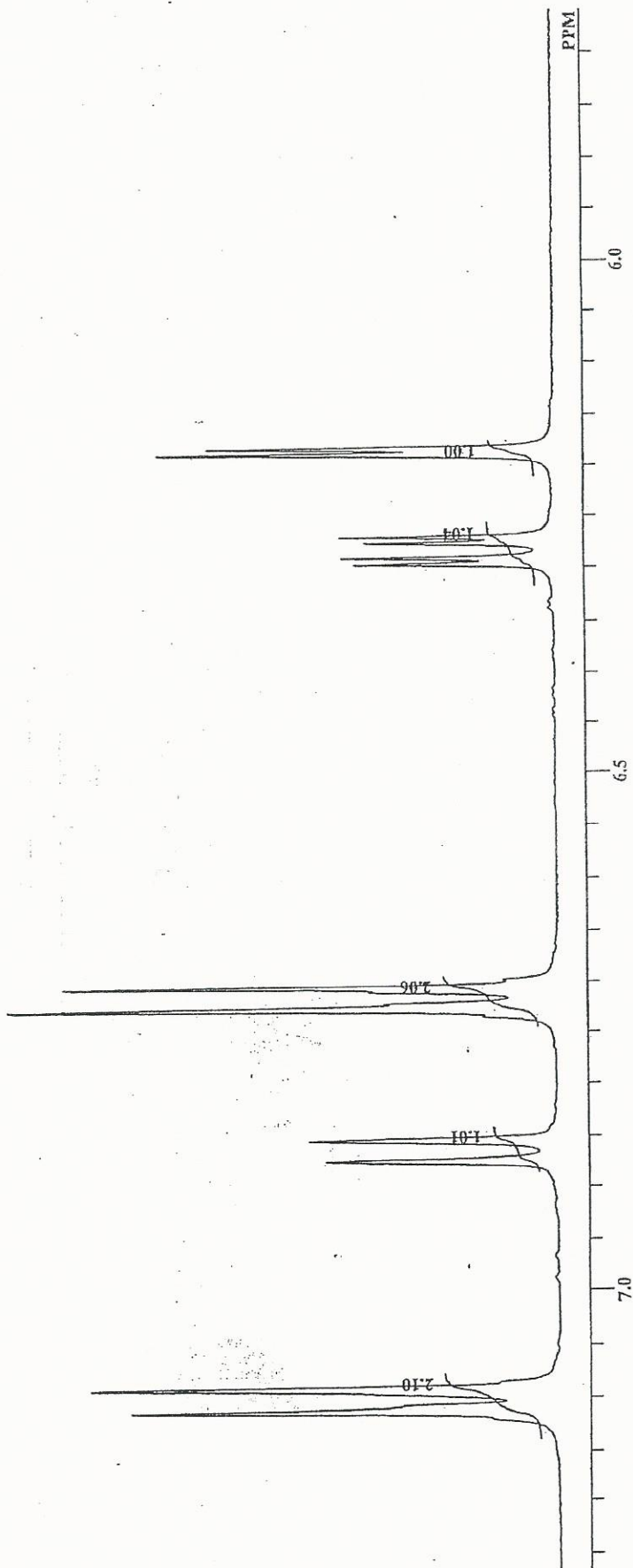
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EQUOL 1H NMR DMSO-D6

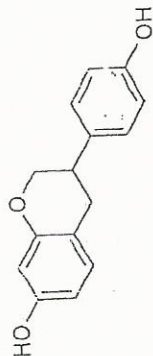
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