



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: 021096

Product Name: **DAIDZIN**
(7-Glucocosyl-4'-hydroxyisoflavone)

CAS Number: [552-66-9]

Lot Number: C1803

Chemical Formula: C₂₁H₂₀O₉

Molecular Weight: 416.37

Melting Point: 228-238°C

Appearance: White powder

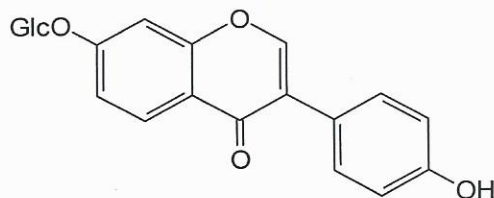
TLC: Chloroform:Methanol:AcOH (8.5:1.5:0.1)

Solubility: Soluble in DMSO

NMR Spectrum Enclosed

Storage: Store in a cool, dry place

Purity (HPLC): 98.17%





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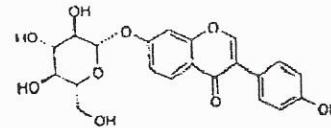
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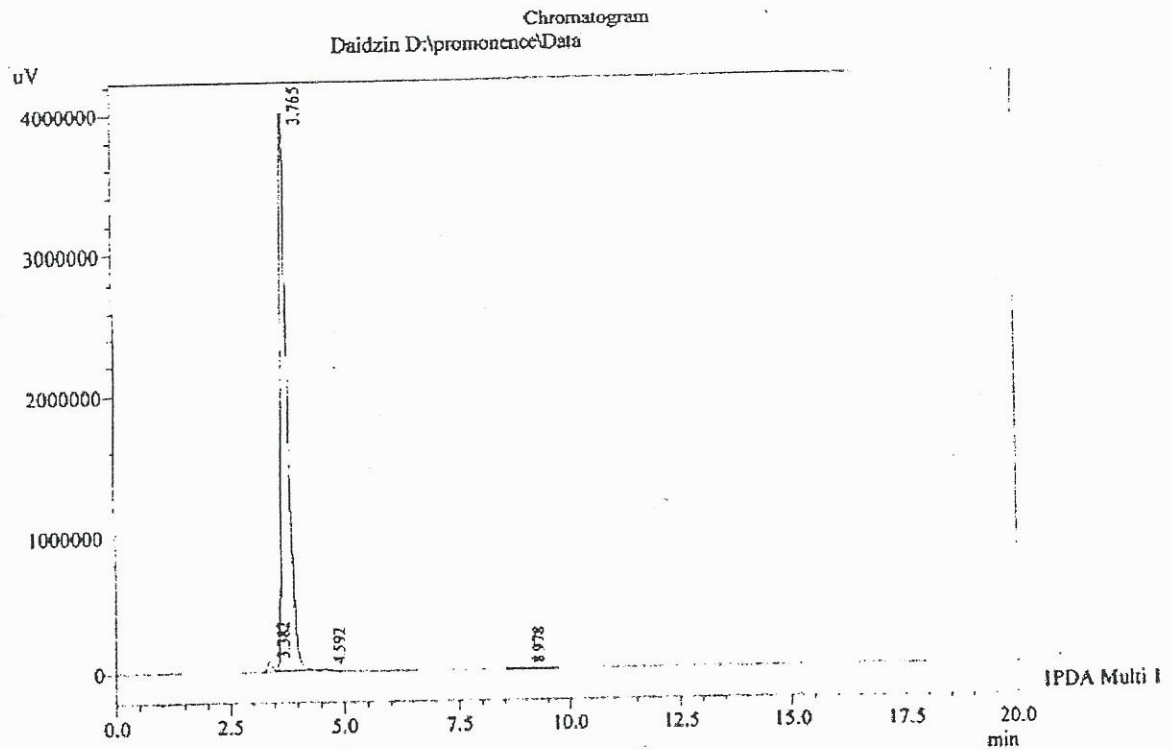
HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : Daidzin
 Sample ID : Lot No:C1803
 Injection Volume : 20 uL
 Data Filename : 020113C.lcd
 Method Filename : Linear Isocratic.M.lcm

Catalog no.: 021096
 Product name: Daidzin
 Lot No.: C1803



Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)
 Flow : 0.600 mL/min.
 Mobile Phase : A(40% of 0.05% TFA in water) B(60% of Acetonitrile)



1 PDA Multi 1 / 254nm 4nm

PeakTable

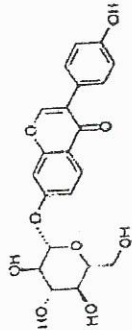
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:3.382	3.382	557027	1.34	0.90
2	Daidzin	3.765	40666547	98.17	1.00
3	RT:4.592	4.592	179251	0.43	1.22
4	RT:8.978	8.978	22941	0.06	2.38
Total			41425766	100.00	



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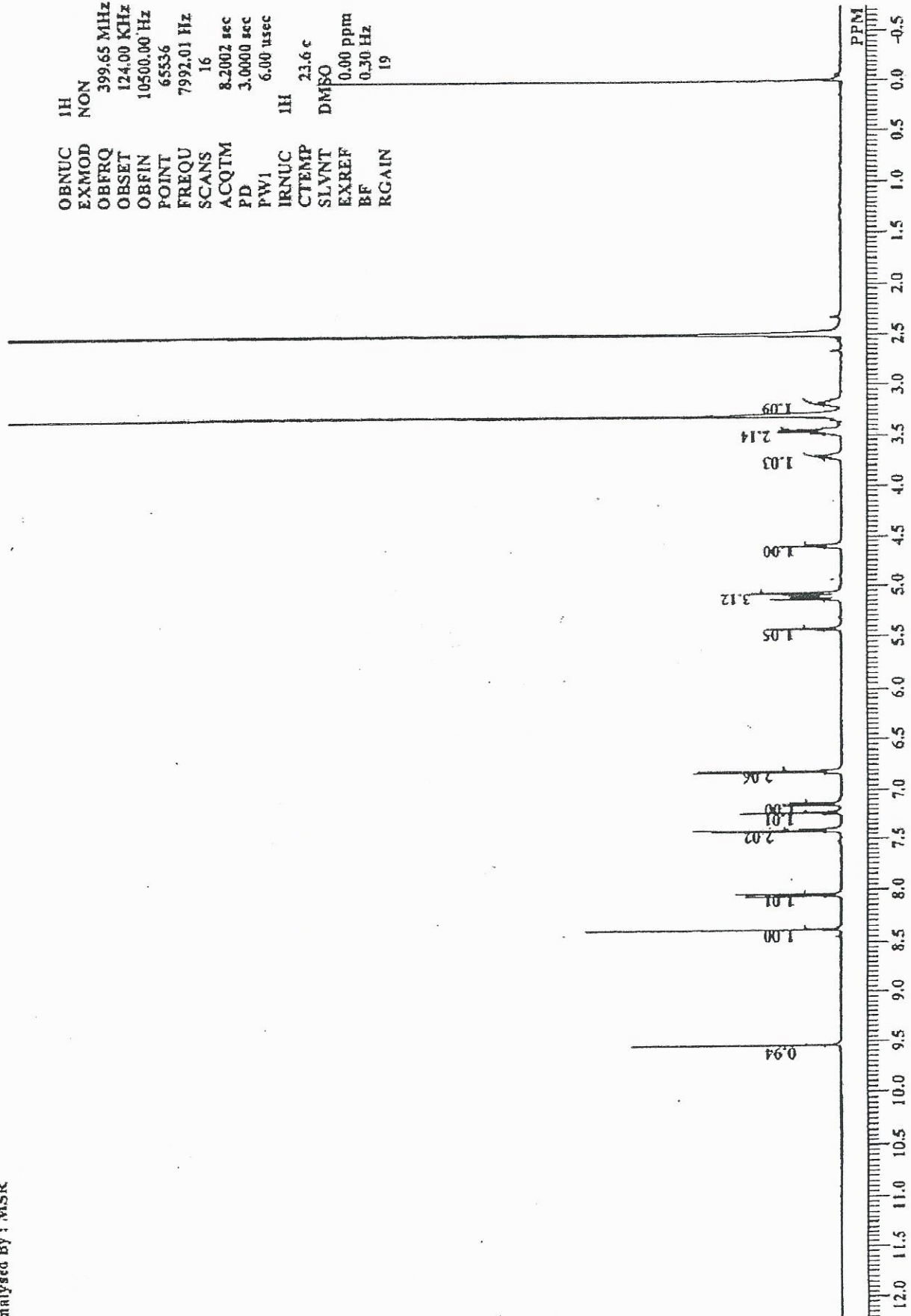
Catalog no.: 021096
Product name: Daidzin
Lot No.: C1803



¹H NMR DMSO-d6

Analysed By : MSR

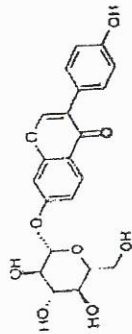
OBNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 65336
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 3.0000 sec
FWI 6.00 usec
IRNUC 1H
CTEMP 23.6 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 19





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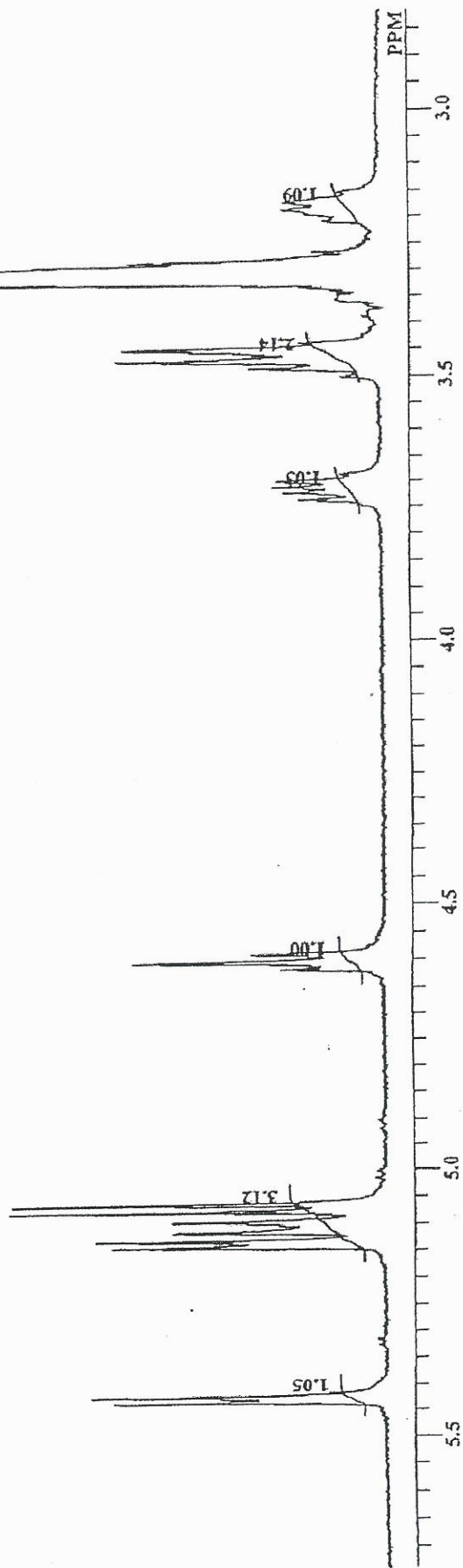
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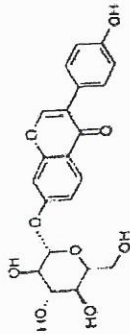
OBNUC	1H
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	65536
FREQU	7992.01 Hz
SCANS	16
ACQTM	8.2002 sec
PD	3.0000 sec
FWI	6.00 usec
IRNUC	1H
CTEMP	23.6 c
SLVNT	DMSO
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	19





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