



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-103

Product Name: **FORMONONETIN**
(7-Hydroxy-4'-methoxyisoflavone, Biochanin B)

CAS Number: [485-72-3]

Lot Number: 0303049

Chemical Formula: C₁₆H₁₂O₄

Molecular Weight: 268.27

Melting Point: 256-259°C

Appearance: White powder

Solubility: Soluble in DMSO

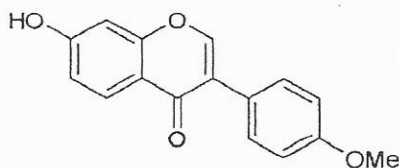
TLC: Chloroform:Ethyl acetate (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

IR Spectrum: Enclosed

Storage: Cool dry place

Purity(HPLC): 99.82%





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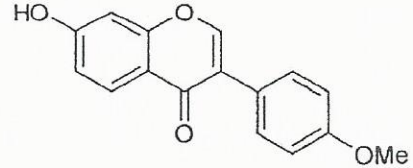
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HPLC ANALYSIS

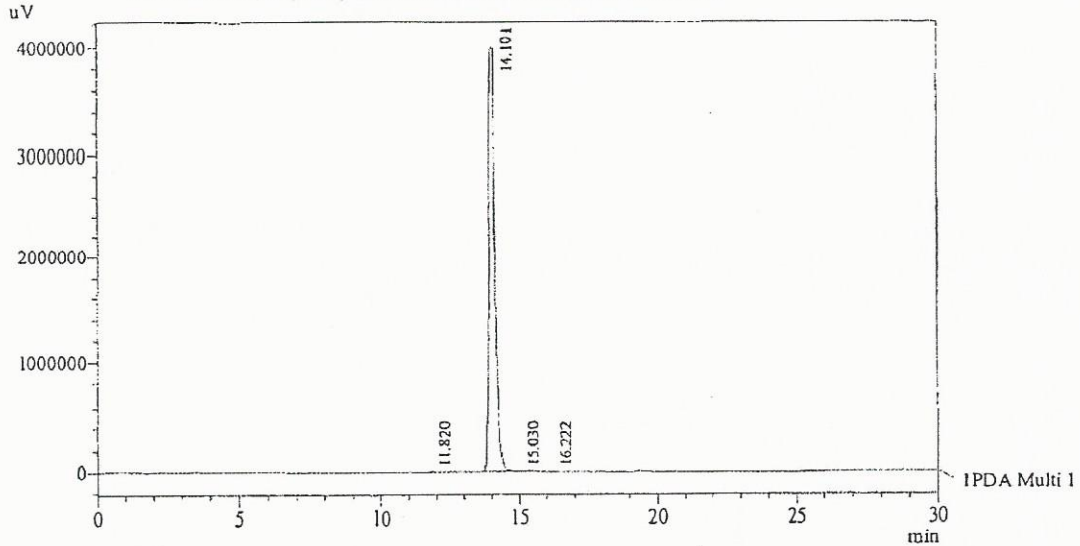
Acquired by : Sanjeev
 Sample Name : Formononetin (7-Hydroxy-4'-methoxyisoflavone)
 Sample ID : Lot No:- 0303049
 Injection Volume : 20 uL
 Data Filename : 030413H.lcd
 Method Filename : Linear Gradient.M.lcm



Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)
 Flow : 1.000 mL/min.
 Mobile Phase : A(0.05% TFA in water) B(Acetonitrile)
 0.01 90 10
 12.0 10 90
 20.0 10 90
 23.0 90 10
 30.0 90 10
 Diluent : Acetonitrile

Catalog No.: F-103
 Product name: Formononetin
 Lot No.: 0303049

Chromatogram
 Formononetin (7-Hydroxy-4'-methoxyisoflavone) D:\promonence\Data



1 PDA Multi 1 / 254nm 4nm

PeakTable

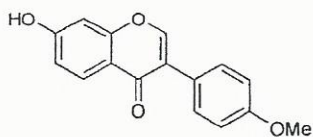
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.820	11.820	72248	0.11	0.84
2	Formononetin	14.101	63882827	99.82	1.00
3	RT:15.030	15.030	11968	0.02	1.07
4	RT:16.222	16.222	28698	0.04	1.15
Total			63995741	100.00	



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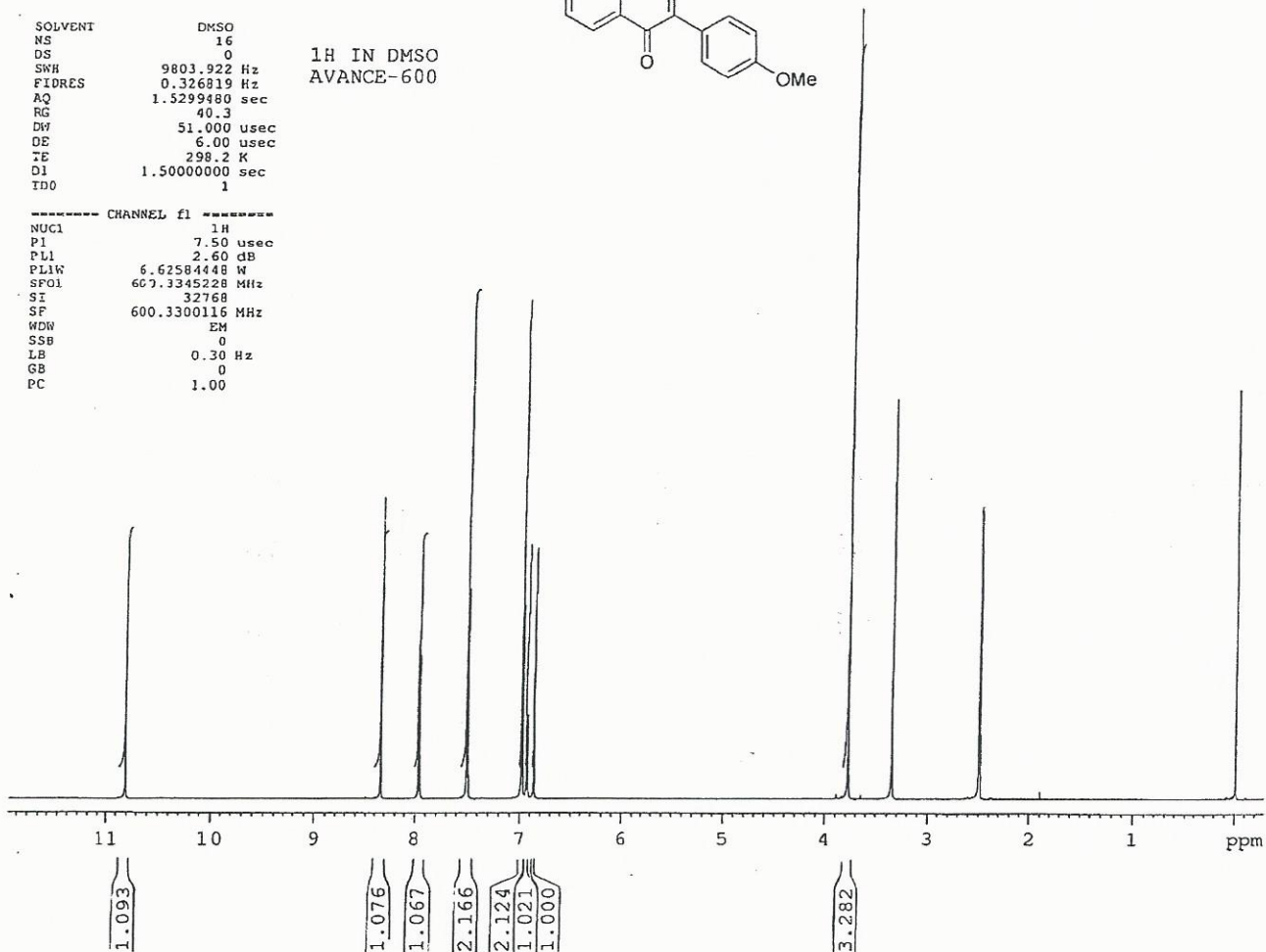
Catalog No.: F-103
Product name: Formononetin
Lot No.: 0303049



SOLVENT DMSO
NS 16
DS 0
SWH 9803.922 Hz
FIDRES 0.326819 Hz
AQ 1.5299480 sec
RG 40.3
DWF 51.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

1H IN DMSO
AVANCE-600

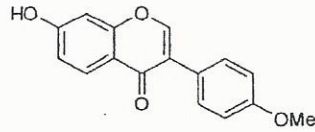
----- CHANNEL f1 -----
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SF01 607.3345228 MHz
SI 32768
SF 600.3300116 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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AVANCE-600

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