



INDOFINE Chemical Company, Inc.

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

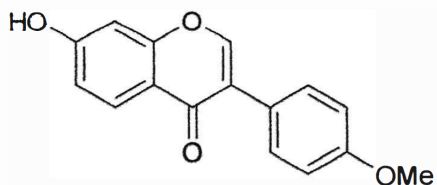
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	F-103
<u>Product Name:</u>	FORMONONETIN (7-Hydroxy-4'-methoxyisoflavone, Biochanin B)
<u>CAS Number:</u>	[485-72-3]
<u>Lot Number:</u>	1208240
<u>Chemical Formula:</u>	C ₁₆ H ₁₂ O ₄
<u>Molecular Weight:</u>	268.27
<u>Melting Point:</u>	256-259°C
<u>Appearance:</u>	White fine powder
<u>Solubility:</u>	Soluble in DMSO
<u>TLC:</u>	Chloroform : Methanol (9:1)
<u>NMR Spectrum:</u>	Enclosed (Confirms to the structure)
<u>Storage:</u>	Cool dry place
<u>Purity(HPLC):</u>	99.66%





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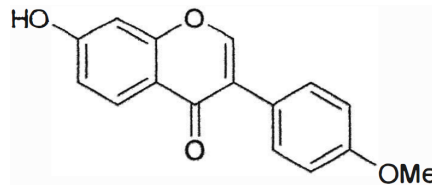
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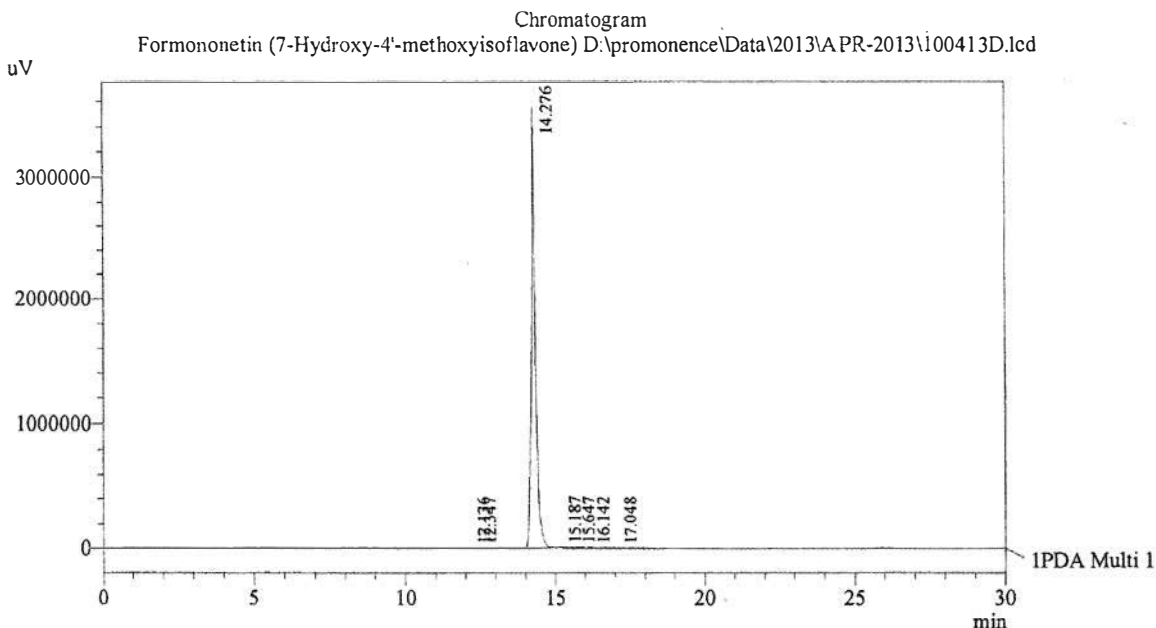
E-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : Formnononetin (7-Hydroxy-4'-methoxyisoflavone)
 Sample ID : Lot No:-1208240
 Injection Volume : 20 uL
 Data Filename : 100413D.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: Formnononetin
 Lot No.: 1208240



1 PDA Multi 1 / 254nm 4nm

PeakTable

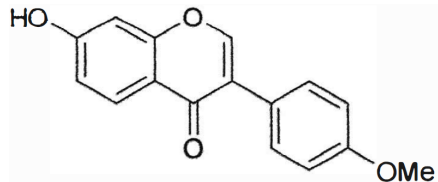
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.136	12.136	9741	0.03	0.85
2	RT:12.347	12.347	4029	0.01	0.86
3	Formnononetin	14.276	32172907	99.66	1.00
4	RT:15.187	15.187	35276	0.11	1.06
5	RT:15.647	15.647	39749	0.12	1.10
6	RT:16.142	16.142	13253	0.04	1.13
7	RT:17.048	17.048	8276	0.03	1.19
Total			32283231	100.00	



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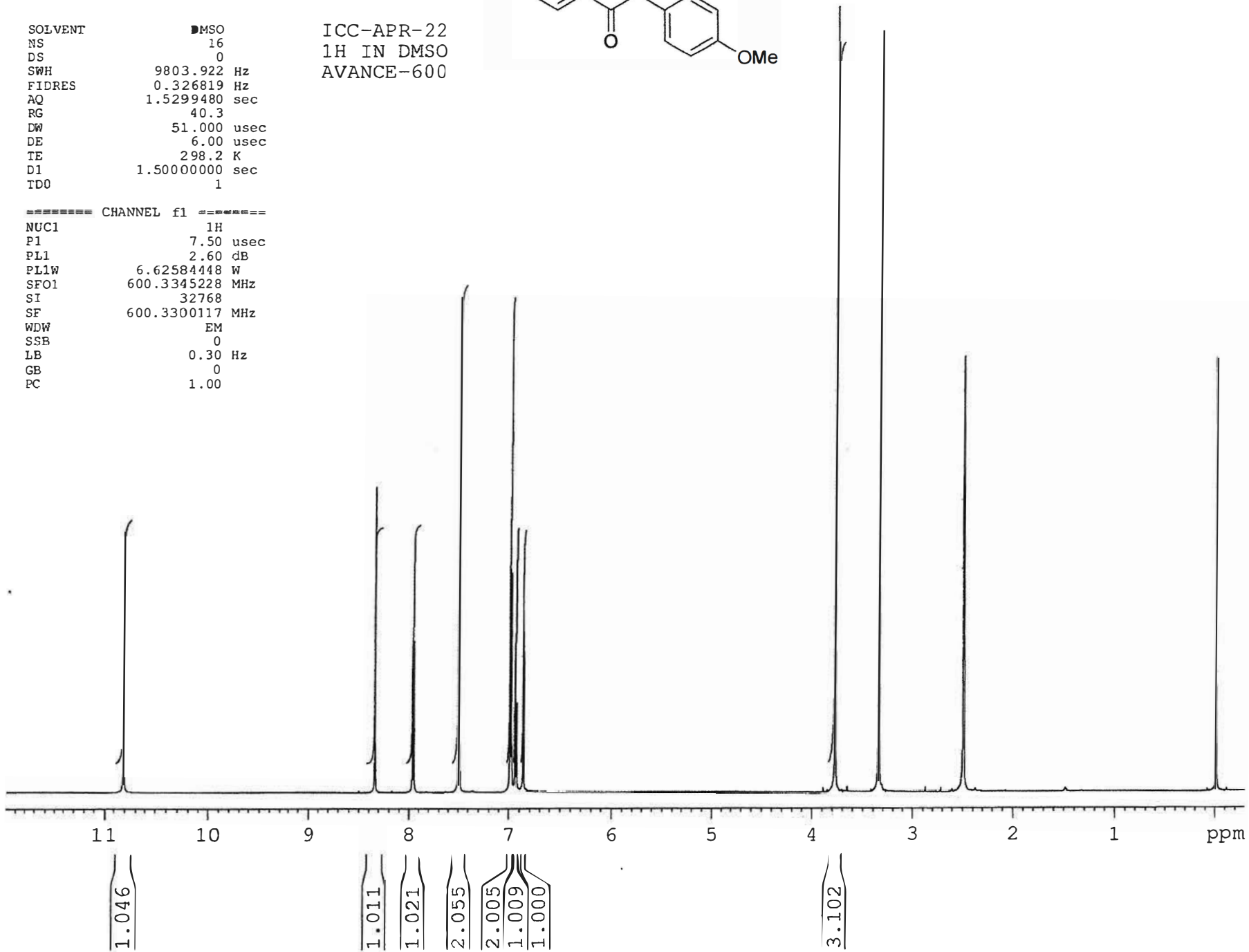


Catalog No.: F-103
Product name: Formononetin
Lot No.: 1208240

SOLVENT DMSO
NS 16
DS 0
S_{WH} 9803.922 Hz
FIDRES 0.326819 Hz
AQ 1.5299480 sec
RG 40.3
DW 51.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

ICC-APR-22
1H IN DMSO
AVANCE-600

==== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3345228 MHz
SI 32768
SF 600.3300117 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

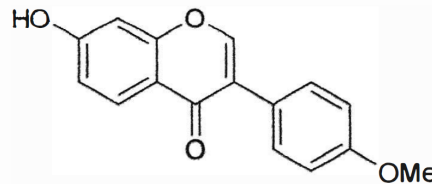




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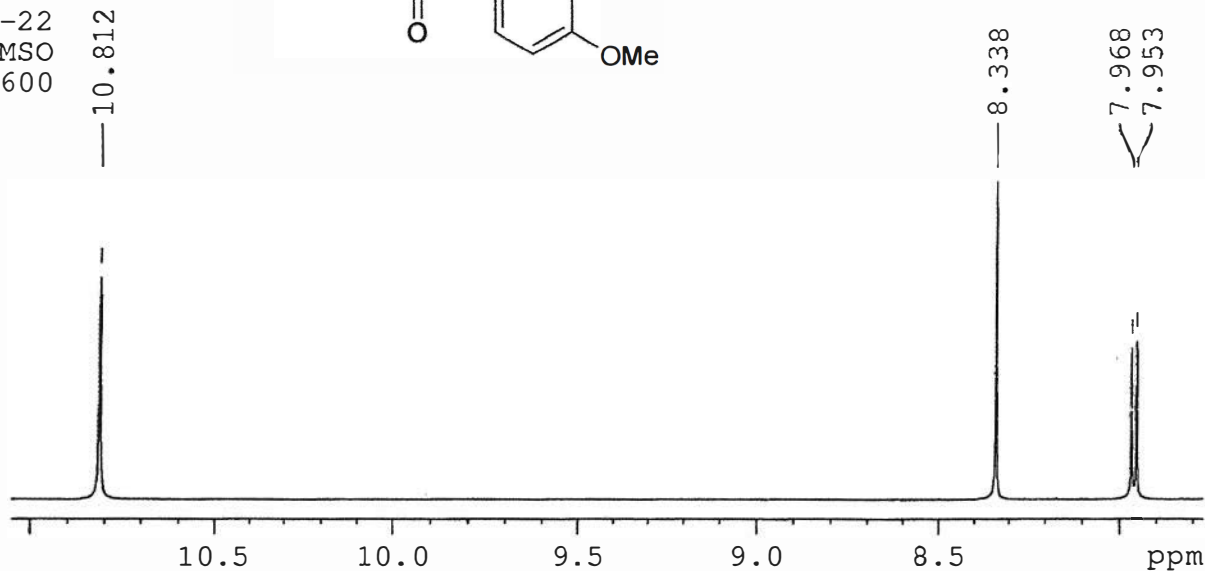
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7.502
7.487

6.985
6.971
6.938
6.935
6.924
6.920
6.863
6.859

