



INDOFINE Chemical Company, Inc.

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

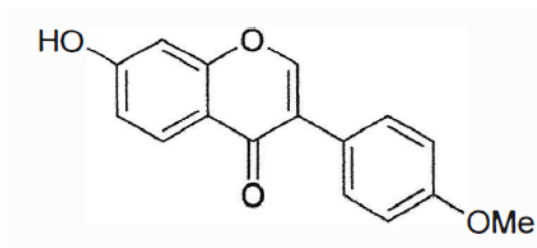
Phone: (908) 359-6778 • FAX: (908) 359-1179

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>	0406212
<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>	Off-White 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%





INDOFINE Chemical Company, Inc.

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

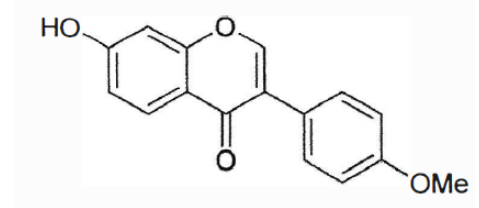
Phone: (908) 359-6778 • Fax: (908) 359-1179

Website: www.indofinechemical.com

E-mail: chemical@indofinechemical.com

HPLC ANALYSIS

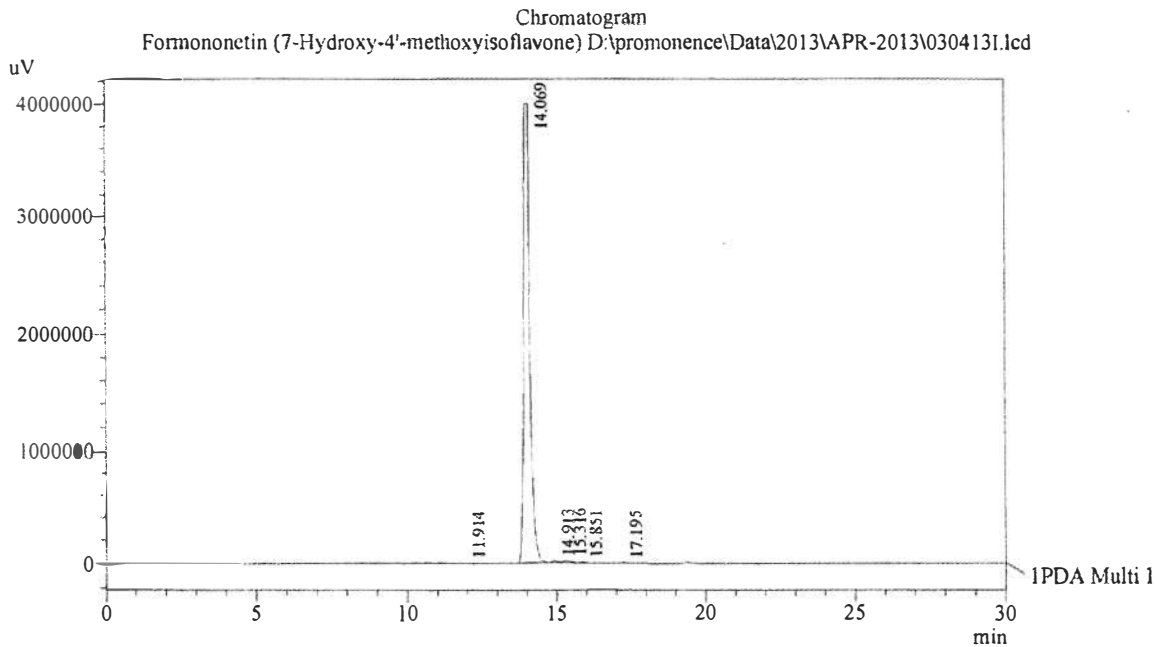
Acquired by : Sanjeev
 Sample Name : Formononetin (7-Hydroxy-4'-methoxyisoflavone)
 Sample ID : Lot No:- 0406212
 Injection Volume : 20 uL
 Data Filename : 0304131.lcd
 Method Filename : Linear Gradient.M.lcm



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

Catalog No.: F-103
 Product name: Formononetin
 Lot No.: 0406212

Diluent : Acetonitrile



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

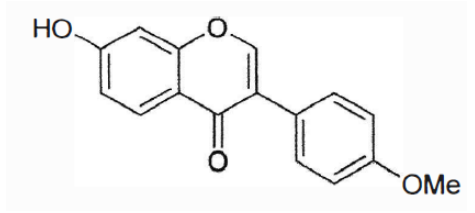
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.914	11.914	34184	0.06	0.85
2	Formononetin	14.069	58423891	99.00	1.00
3	RT:14.913	14.913	181068	0.31	1.06
4	RT:15.316	15.316	270802	0.46	1.09
5	RT:15.851	15.851	50808	0.09	1.13
6	RT:	17.195	54950	0.09	1.22
Total			59015702	100.00	



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1
Hillsborough, NJ 08844

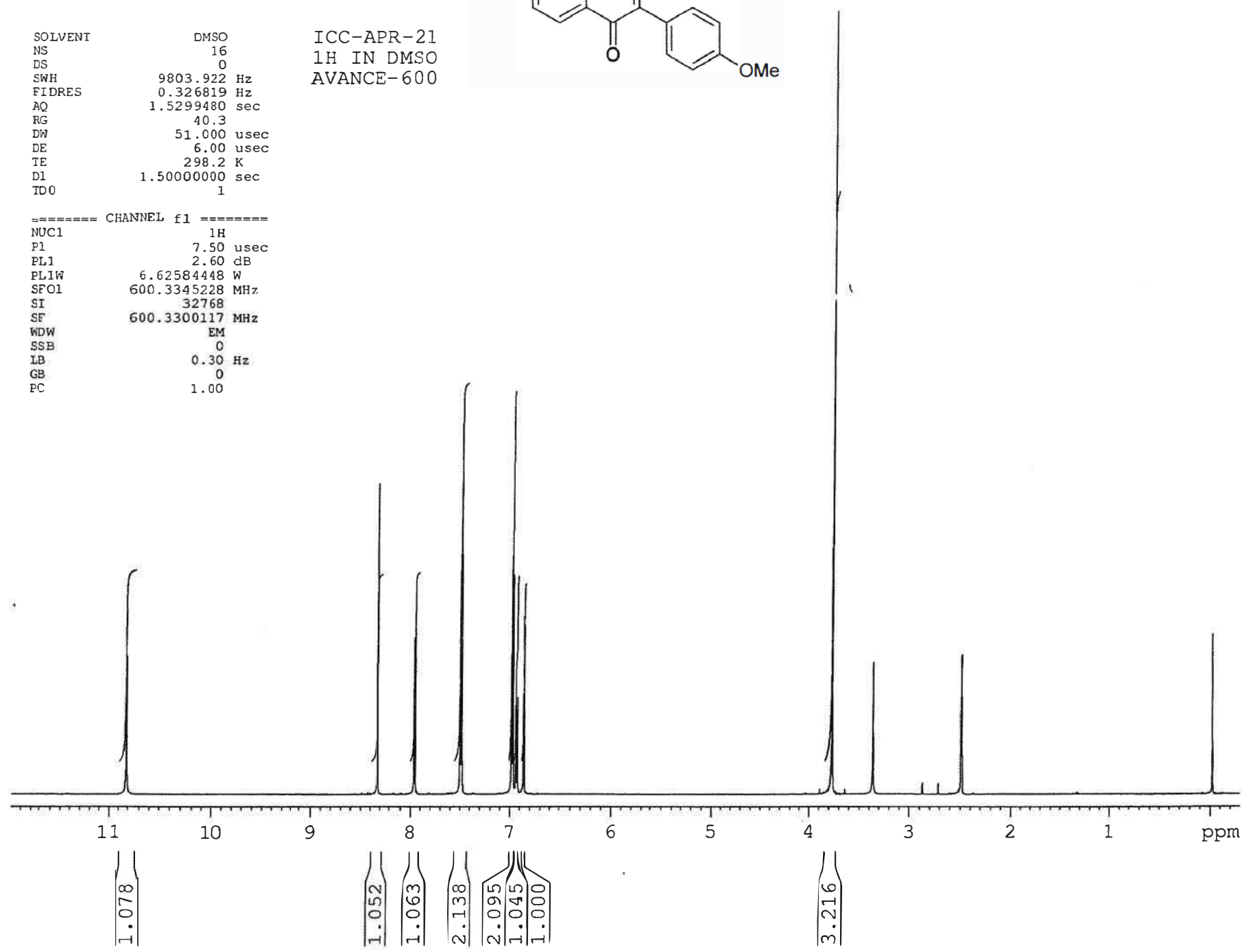
Catalog No.: F-103
Product name: Formononetin
Lot No.: 0406212



ICC-APR-21
1H IN DMSO
AVANCE-600

SOLVENT DMSO
NS 16
DS 0
SWH 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
TDO 1

==== 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

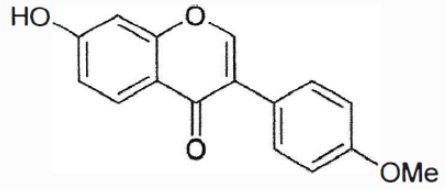




INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1
Hillsborough, NJ 08844

Catalog No.: F-103
Product name: Formononetin
Lot No.: 0406212



SOLVENT DMSO
NS 16
DS 0
SWH 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-21
1H IN DMSO
AVANCE-600

==== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SF01 600.3345228 MHz
SI 2768
SF 600.3300117 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

