



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: 06-022N

Product Name: **NOBILETIN**
(3',4',5,6,7,8-Hexamethoxyflavone)

CAS Number: [478-01-3]

Lot Number: 1312401

Chemical Formula: C₂₁H₂₂O₈

Molecular Weight: 402.39

Appearance: Off white powder

Melting Point: 132-134°C

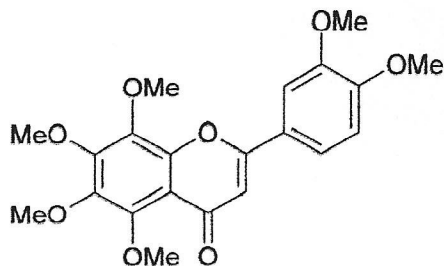
TLC: Hexane:Ethyl acetate (1:1)

Solubility: Soluble in chloroform

NMR Spectrum: Enclosed (Conforms to the structure)

Storage: Cool dry place, away from direct sunlight

Purity(HPLC): 96.31%





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

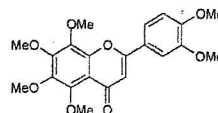
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : Nobiletin (3',4',5,6,7,8-Hexamethoxyflavone)
Sample ID : Lot No : 1312401
Injection Volume : 20 uL
Data Filename : 050314K.lcd
Method Filename : Linear Gradient.M.lcm

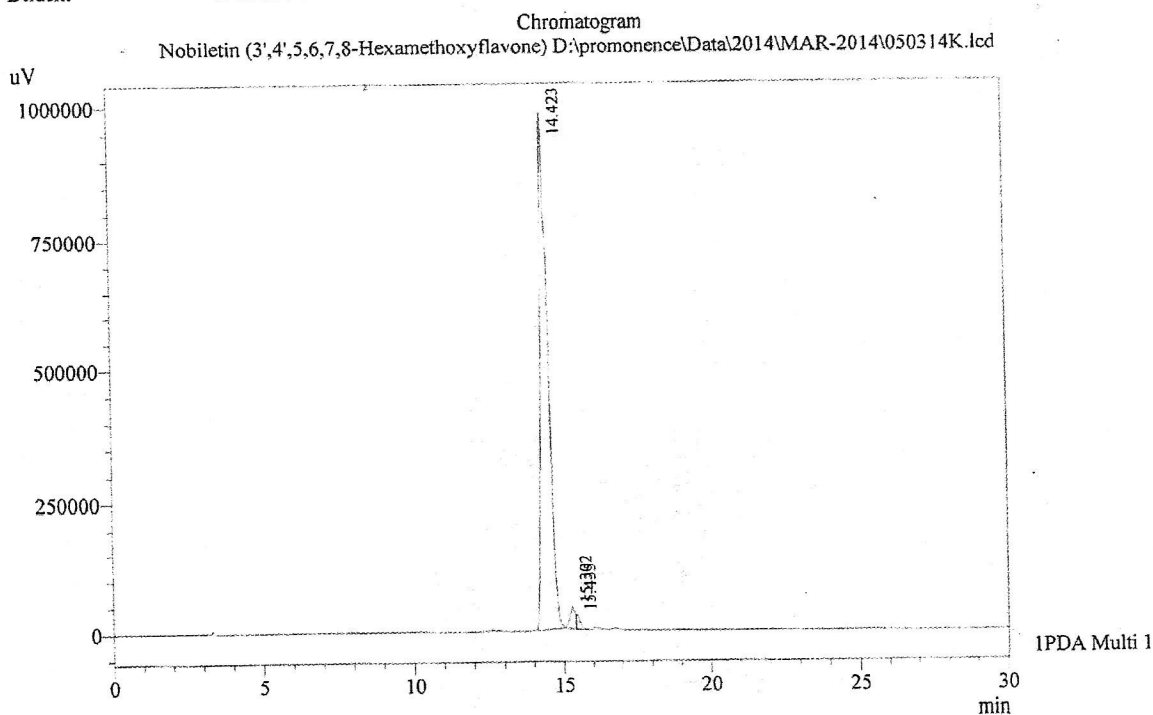
Catalog No.: 06-022N

Product Name: Nobiletin

Lot No.: 1312401



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



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	Nobiletin	14.423	18143846	96.31	1.00
2	RT:15.302	15.302	467007	2.48	1.06
3	RT:15.435	15.435	227860	1.21	1.07
Total			18838713	100.00	



INDOFINE Chemical Company, Inc.

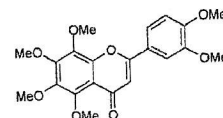
121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

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

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

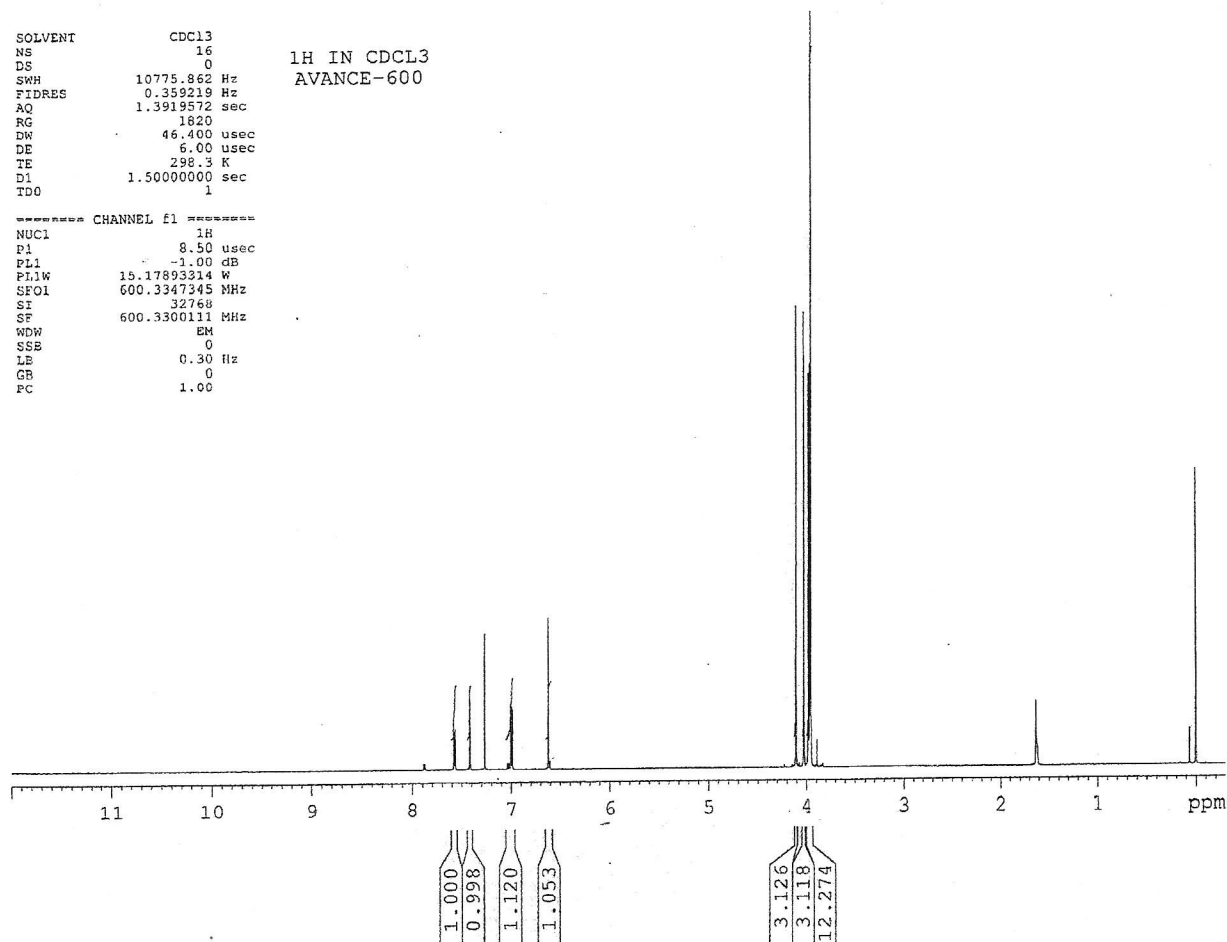
Catalog No.: 06-022N
Product Name: Nobiletin
Lot No.: 1312401



SOLVENT CDCL3
NS 16
DS 0
SWH 10775.962 Hz
FIDRES 0.359219 Hz
AQ 1.3919572 sec
RG 1820
DW 46.400 usec
DE 6.00 usec
TE 298.3 K
D1 1.50000000 sec
TD0 1

1H IN CDCL3
AVANCE-600

***** CHANNEL f1 *****
NUC1 1H
P1 8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SFO1 600.3347345 MHz
SI 32768
SF 600.3300111 MHz
WDW EM
SSE 0
LB 0.30 Hz
GB 0
PC 1.00





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

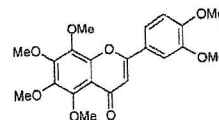
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

Catalog No.: 06-022N

Product Name: Nobiletin

Lot No.: 1312401



SOLVENT CDCL3
NS 16
DS 0
SWH 10775.862 Hz
FIDRES 0.359219 Hz
AQ 1.3919572 sec
RG 1820
DW 46.400 usec
DE 6.00 usec
TE 298.3 K
D1 1.50000000 sec
TD0 1

1H IN CDCL3
AVANCE-600

CHANNEL f1
NUC1 1H
P1 8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SFO1 500.3347345 MHz
SI 32768
SF 600.3300111 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

