



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

Cat. No.: 19-919

Product:

MYRICITRIN

CAS Number:

[17912-87-7]

Lot No.:

1208233

Molecular Formula:

$C_{21}H_{20}O_{12}$

Molecular Weight:

464.38

Melting Point:

~175°C (dec)

Appearance:

Cream color powder

TLC:

Chloroform:Methanol (7:3)

Solubility:

Soluble in DMSO

NMR Spectrum:

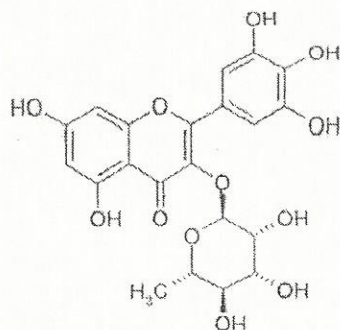
Enclosed

Storage:

Cool dry place

Purity(HPLC):

91.81%





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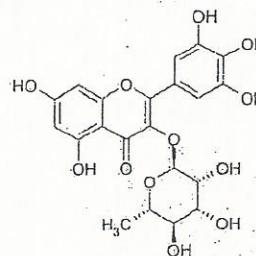
HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : Myricitrin
 Sample ID : Lot No:-1208233
 Injection Volume : 20 uL
 Data Filename : 170812E.tcd
 Method Filename : Linear Gradient.M.lcm

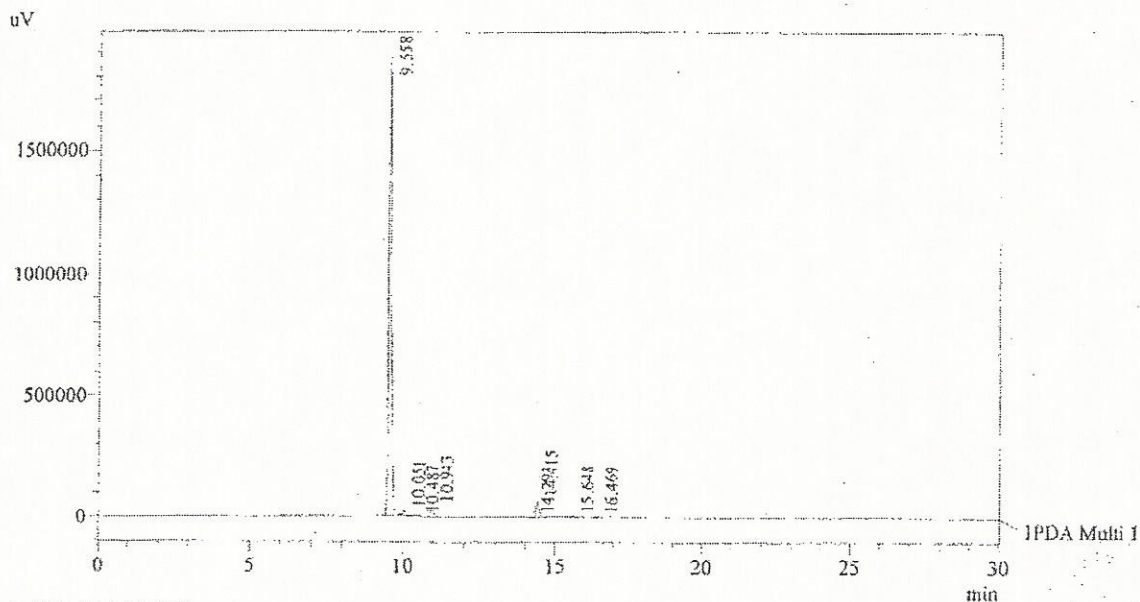
Catalog no.: 19-919
 Product name: Myricitrin
 Lot No.: 1208233

Column : LUNA C-18(2), (250mm x 4.6mm 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
25.0	90	10
30.0	90	10



Chromatogram



1 PDA Multi 1 / 254nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	Myricitrin	9.558	11697759	91.81	1.00
2	RT:10.051	10.051	115343	0.91	1.05
3	RT:10.487	10.487	14571	0.11	1.10
4	RT:10.943	10.943	285837	2.24	1.14
5	RT:14.293	14.293	19678	0.15	1.50
6	RT:14.415	14.415	531814	4.17	1.51
7	RT:15.648	15.648	50584	0.40	1.64
8	RT:16.469	16.469	25271	0.20	1.72
Total			12740857	100.00	



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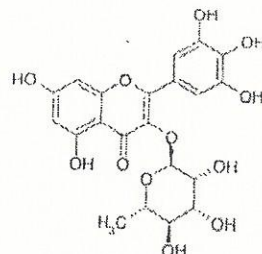
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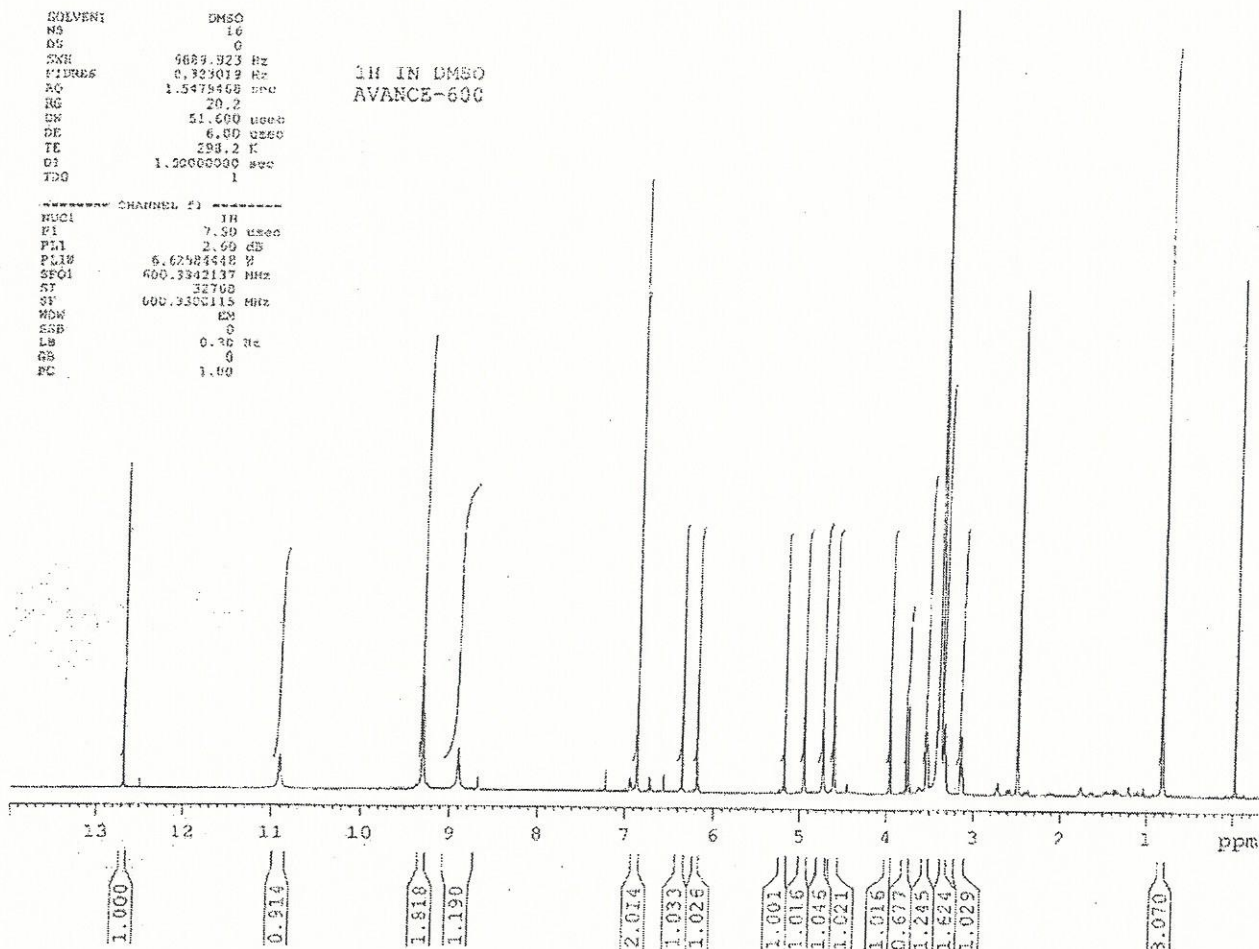
Catalog no.: 19-919
Product name: Myricitrin
Lot No.: 1208233



SOLVENT: DMSO
NS: 16
OS: 0
SMR: 9689.323 Hz
FIDRMS: 0.323019 Hz
AC: 1.5475468 sec
RG: 20.2
EM: 51.600 usec
DE: 6.00 usec
TE: 298.2 K
DS: 1.2000000 sec
TD0: 1

¹H IN DMSO
AVANCE-600

----- CHANNEL F1 -----
NUC1: ¹H
P1: 7.50 usec
PL1: 2.00 dB
PC10: 6.6258448 Hz
SFO1: 600.3302137 MHz
ST: 32768
SF: 600.3302115 MHz
WDW: EM
SSB: 0
LB: 0.30 Hz
GB: 0
PC: 1.00





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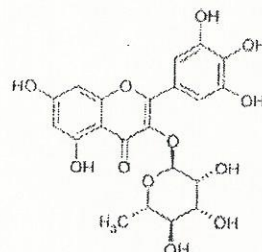
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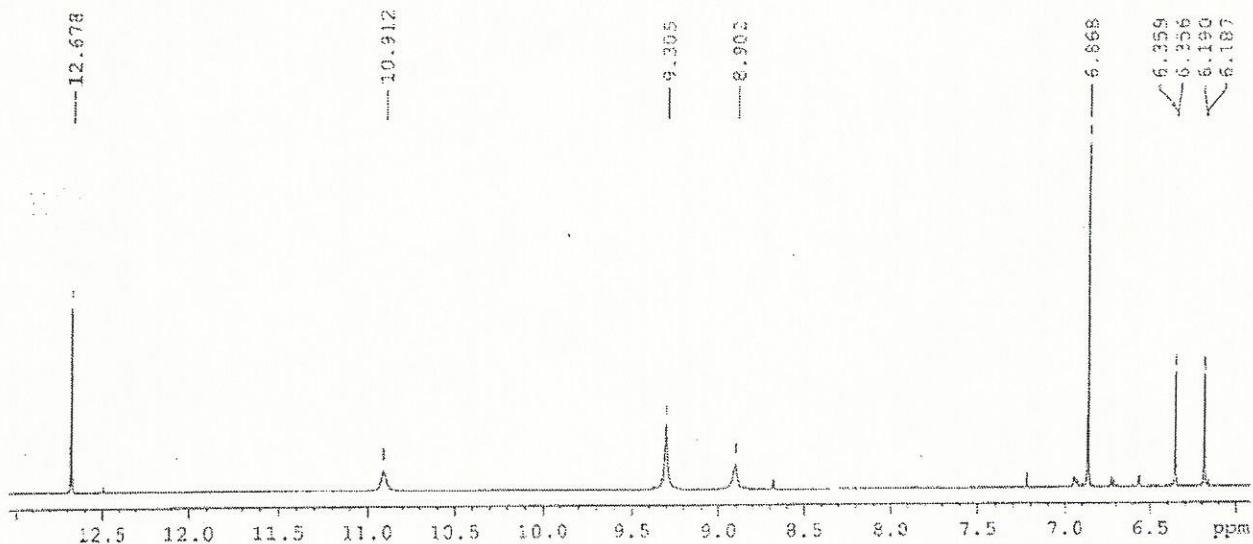
Catalog no.: 19-919
Product name: Myricitrin
Lot No.: 1208233



SOLVENT DMSO
NS 16
RS 0
QMSI 9689.933 Hz
PQRES 0.323019 Hz
AQ 1.5433458 sec
RG 29.2
RF 57.420 usec
SC 5.00 usec
TE 298.2 K
JI 1.5000000 sec
TDC 1

1H IN DMSO
AVANCE-600

----- CHANNEL f1 -----
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 0.6259444 W
SFO1 600.330137 MHz
SI 32768
SF 600.330135 MHz
WDW EM
SSB 0
LB 0.30 Hz
CB 0
PC 1.00





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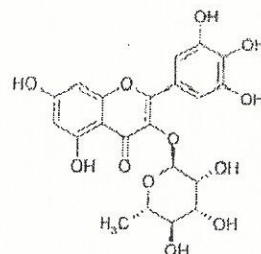
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Product name: Myricitrin
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SOLVENT 100%
NS 16
DS 0
FNU 7000.000 Hz
FIDRES 0.323613 Hz
AQ 1.5479448 sec
RG 32.0
BW 51.000 usec
DC 6.00 usec
TE 298.2 K
D1 1.5000000 sec
TD0 1

1H IN DMSC
AVANCE-600

***** CHANNEL f1 *****
NUC1 1H
P1 7.56 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.330115 MHz
SI 32768
SF 600.330115 MHz
WDW Hanning
SSB 0
LM 0.30 Hz
GB 0
PC 1.00

