



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 020080

Product Name: **RUTIN TRIHYDRATE**
(Quercetin-3-rutinoside)

CAS Number: [153-18-4]

Lot Number: 1007053

Chemical Formula: $C_{27}H_{30}O_{16} \cdot 3H_2O$

Molecular Weight: 664.59

Melting Point: 184°C (dec)

Appearance: Pale yellow powder

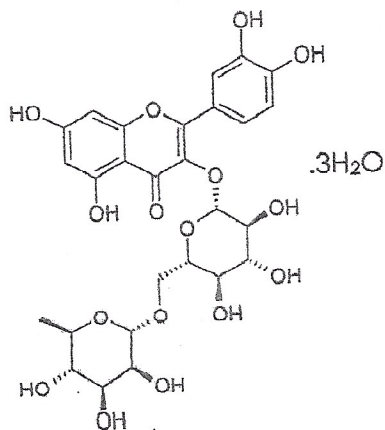
Solubility: DMSO

TLC: Chloroform:Methanol:Acetic acid [6:3:1]

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 95.60%





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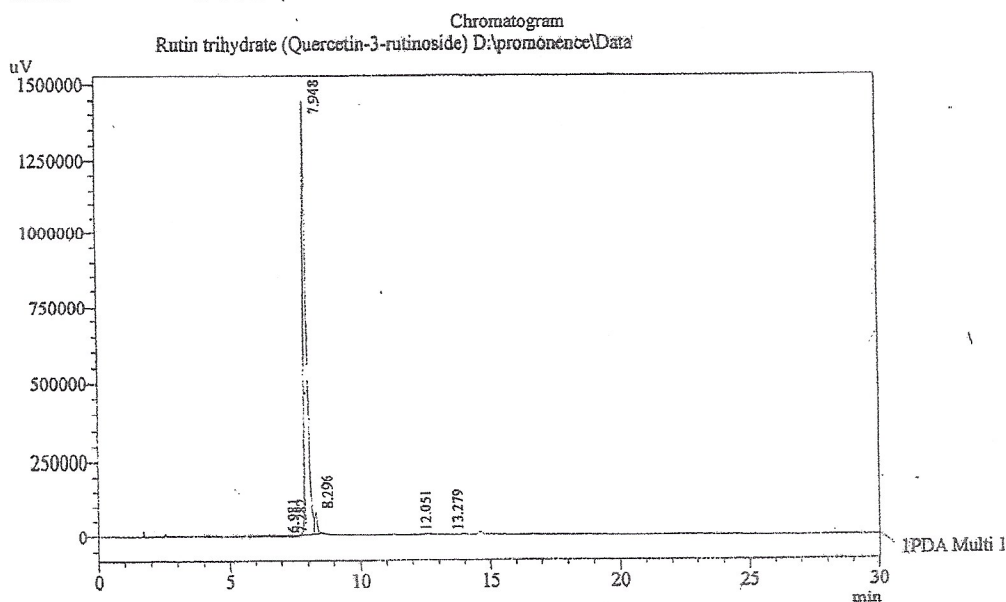
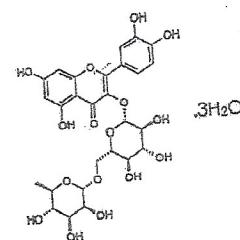
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : Rutin trihydrate (Quercetin-3-rutinoside)
Sample ID : Lot No:1007053
Injection Volume : 20 uL
Data Filename : 131113B.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 020080
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Lot No.: 1007053

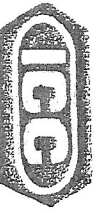
Column : Inertsil ODC, (150mm x4.6mm 5.0μ)
Flow : 1.000 mL/min.
Mobile Phase : A(0.05% TFA in water) B(Acetonitrile)
0.01 90 10
12.0 10 90
20.0 10 90
23.0 90 10
30.0 90 10
Diluent : Methanol



1 PDA Multi 1 / 254nm 4nm

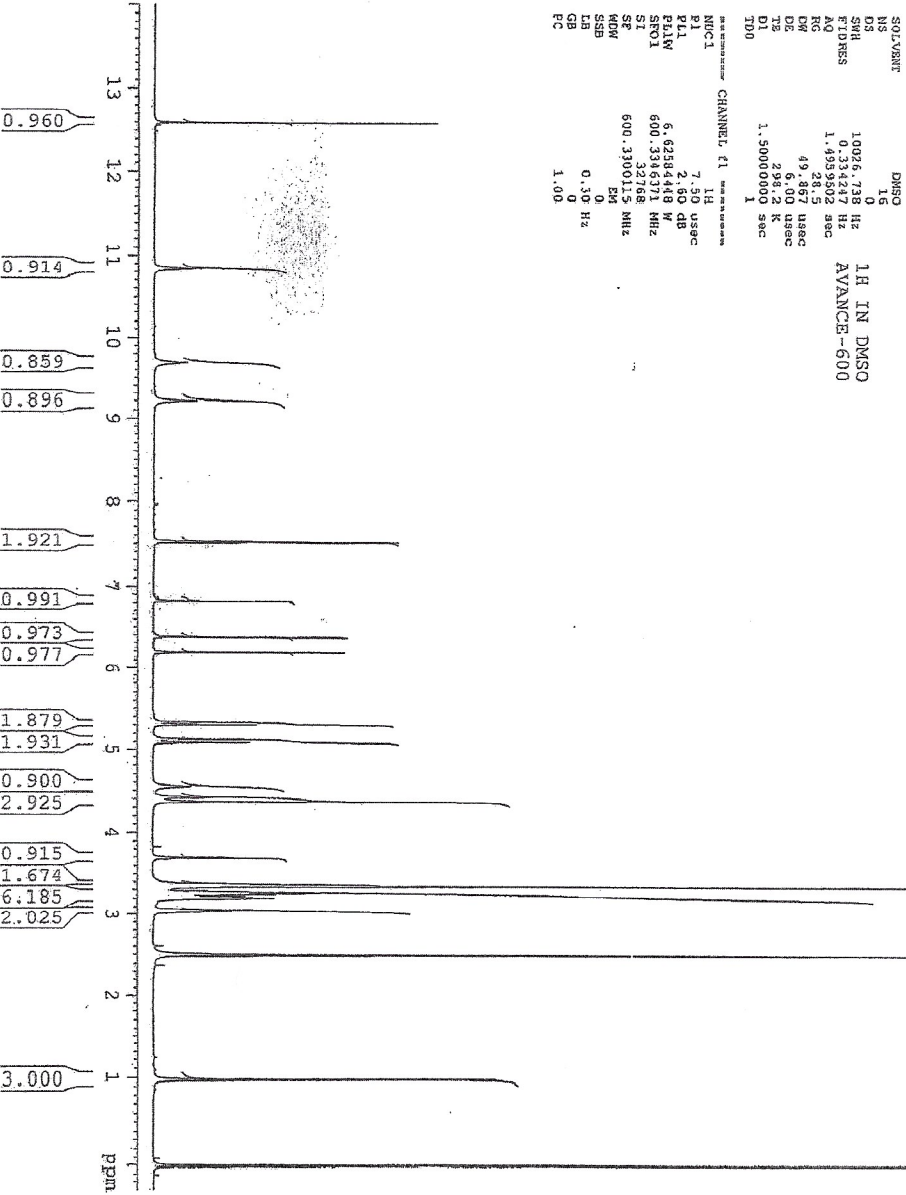
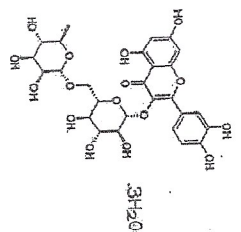
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:6.981	6.981	945	0.01	0.88
2	RT:7.282	7.282	2670	0.02	0.92
3	Rutin trihydrate	7.948	11920527	95.60	1.00
4	RT:8.296	8.296	532594	4.27	1.04
5	RT:12.051	12.051	3894	0.03	1.52
6	RT:13.279	13.279	8083	0.06	1.67
Total			12468712	100.00	



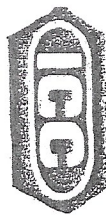
INDOFINE Chemical Company, Inc.
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

Catalog No.: 020080
Product Name: Rutin Trihydrate
Lot No.: 1007053



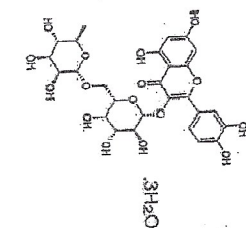
SOLVENT DMSO
NS 16
SWH 10026.738 Hz
FIDRES 0.334247 Hz
AQ 1.4559502 sec
RG 28.5
RG 49.867 usac
RG 5.000 usac
TS 298.2 K
D1 1.50000000 sec
T00 1

CHANNEL f1
NUC1 14
P1 7.50 usac
PL1 2.50 dB
PULW 6.62584418 W
SFO1 600.3346371 MHz
SI 32768
SF 600.3300112 MHz
WDW 0
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

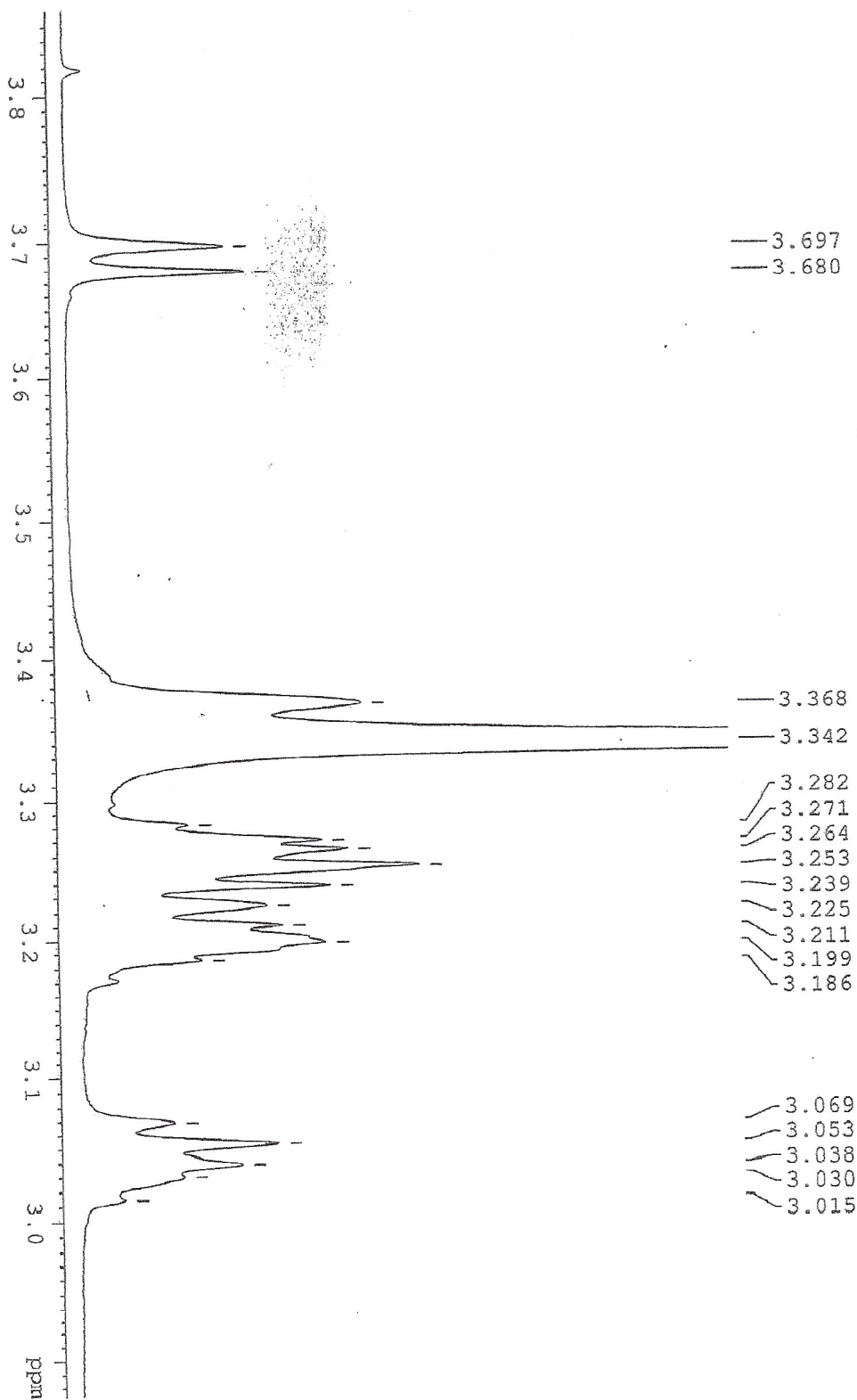


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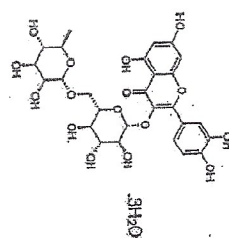
¹H IN DMSO
AVANCE-600





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SOLVENT DMSO
NS 16
DS 10
SMH 10026.718 Hz
FIDRES 0.334217 Hz
AQ 1.4959502 sec
RG 28.15
DN 49.867 usac
TE 49.867 usac
TK 298.2 K
DI 1.50000000 sec
TD 1

1H IN DMSO
AVANCE-600

NAME CHANNEL F1
NUC1 1H
P1 7.50 usac
PL1 2.60 dB
SFO1 600.3346371 MHz
SI 32768
SF 800.3300113 MHz
SR 64
SSB 0
LB 0.30 KHz
GB 0
PC 1.00

