



INDOFINE Chemical Company, Inc.

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

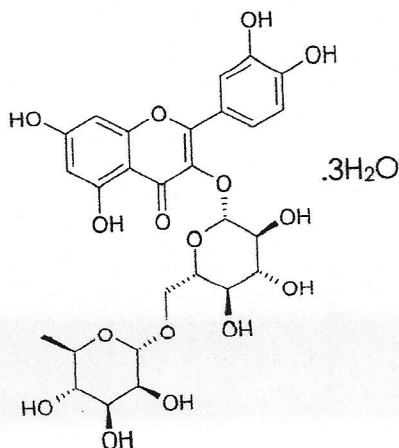
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number</u>	020080
<u>Product Name:</u>	RUTIN TRIHYDRATE (Quercetin-3-rutinoside)
<u>CAS Number:</u>	[153-18-4]
<u>Lot Number:</u>	1007053
<u>Chemical Formula:</u>	$C_{27}H_{30}O_{16} \cdot 3H_2O$
<u>Molecular Weight:</u>	664.59
<u>Melting Point:</u>	184°C (dec)
<u>Appearance:</u>	Pale yellow powder
<u>Solubility:</u>	DMSO
<u>TLC:</u>	Chloroform:Methanol:Acetic acid [6:3:1]
<u>NMR Spectrum:</u>	Enclosed (Confirms to the structure)
<u>Storage:</u>	Cool dry place
<u>Purity (HPLC):</u>	95.60%





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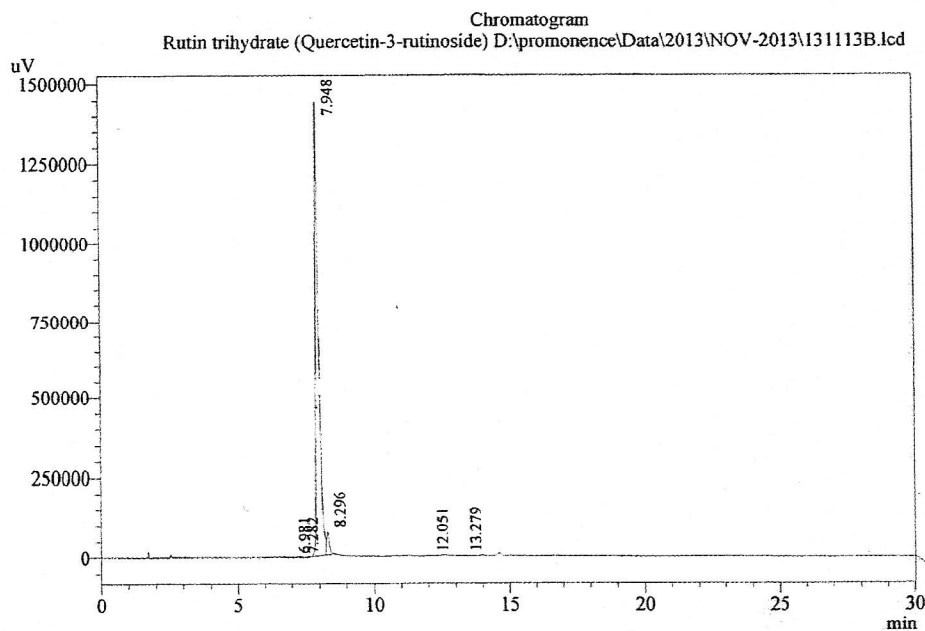
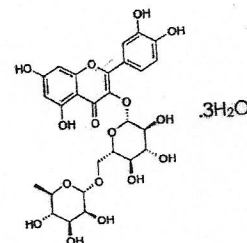
e-mail: chemical@indofinechemical.com

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
Product Name: Rutin Trihydrate
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

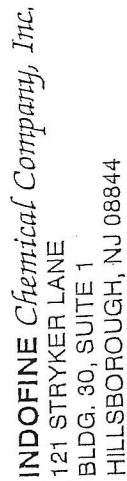


1 PDA Multi 1 / 254nm 4nm

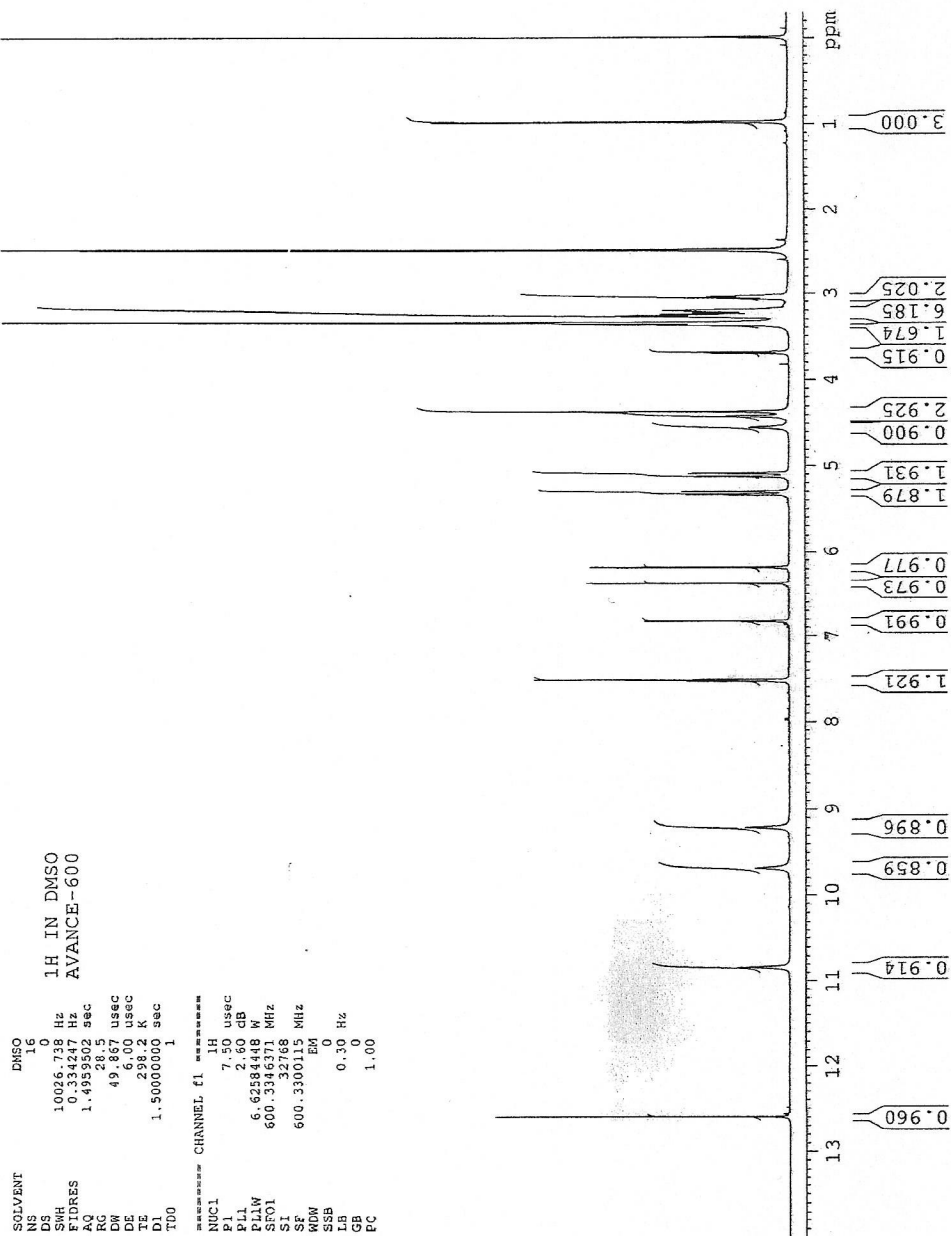
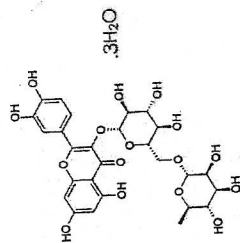
PeakTable

PDA Ch1 254nm 4nm

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	



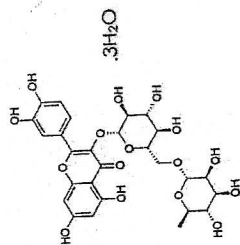
Catalog No.: 020080
Product Name: Rutin Trihydrate
Lot No.: 1007053



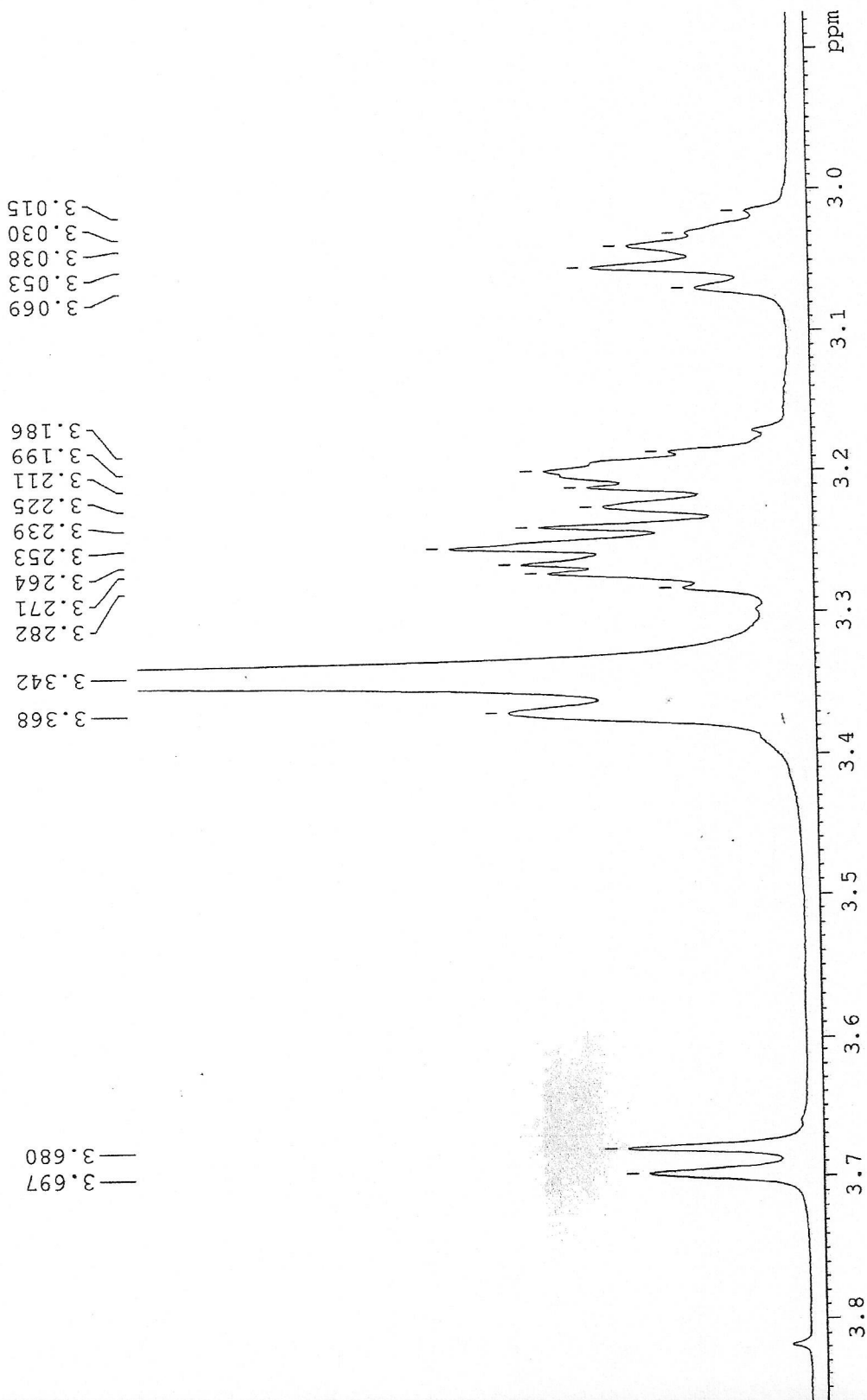


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¹H IN DMSO
AVANCE-600





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

