



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.: 06-067

Product: **QUERCITRIN HYDRATE**
(Quercetin-3-O-rhamnoside)

Cas Number: [522-12-3]

Lot Number: 1012091

Chemical Formula: $C_{21}H_{20}O_{11}$

Molecular Weight: 448.38

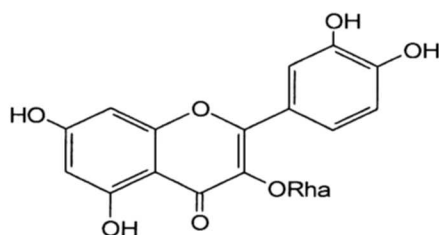
Appearance: Yellow powder

TLC: Chloroform: Methanol (7:3)

Solubility: Soluble in DMF

Storage: Cool dry place

Assay: 99%





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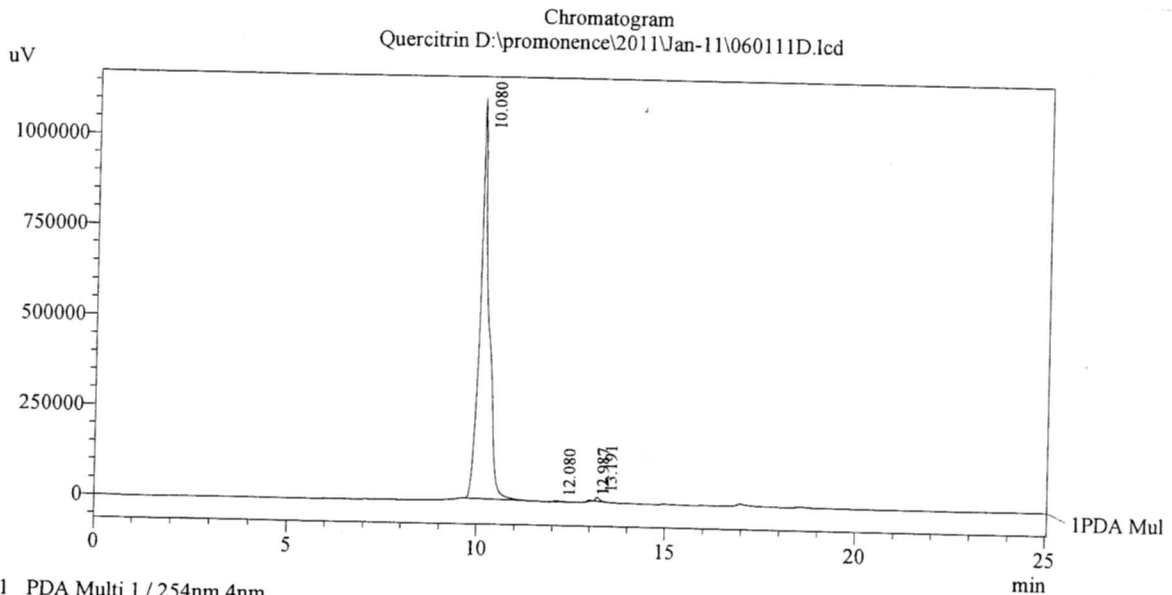
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HPLC ANALYSIS

Date Acquired : 1/6/2011 3:08:27 PM
Acquired by : Madhuri
Sample Name : Quercitrin
Sample ID : Lot No : 1012091
Injection Volume : 20 µL
Data Filename : 060111D.lcd
Method Filename : Linear Gradient.M.lcm

Cat. No.: 06-067
Product name: Quercitrin Hydrate
Lot No.: 1012091

Description:
Column : Inertsil C-18, 250X4.6mm 5.0µm
Flow : 1.000ML/min.
Mobile Phase : A(0.05% TFA in Water) B(ACN)
0.01 90 10
12.0 10 90
20.0 10 90
25.0 90 10



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Height	Area %
1	10.080	17991013	1105210	99.051
2	12.080	55487	3538	0.305
3	12.987	30306	4054	0.167
4	13.191	86546	11659	0.476
Total		18163352	1124460	100.000



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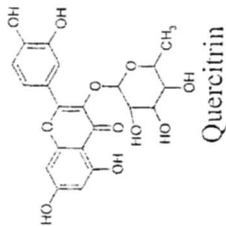
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QCN IH NMR DMSO-D6

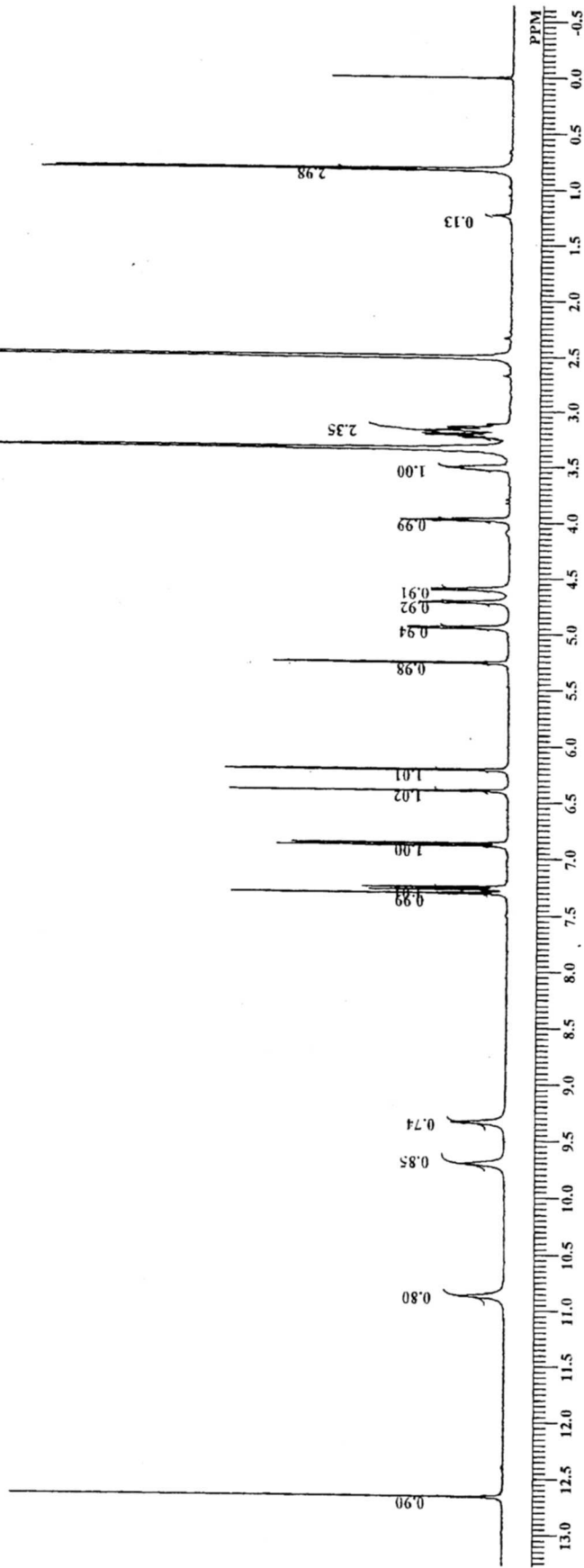
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Product name: Quercitrin Hydrate

Lot No.: 1012091



DFILE QCN.als
 COMNT QCN IH NMR DMSO-D6
 DATIM Fri Dec 24 18:21:37 2010
 OBNUC IH
 EXMOD NON
 OBFREQ 399.65 MHz
 OBSET 124.00 KHz
 OBFIN 10500.00 Hz
 POINT 65536
 FREOU 7992.01 Hz
 SCANS 16
 ACQTM 8.2002 sec
 PD 3.0000 sec
 PWI 5.60 usec
 IRNUC IH
 CTEMP 23.2 c
 SLVNT DMSO
 EXREF 0.00 ppm
 BF 0.30 Hz
 RGAIN 19





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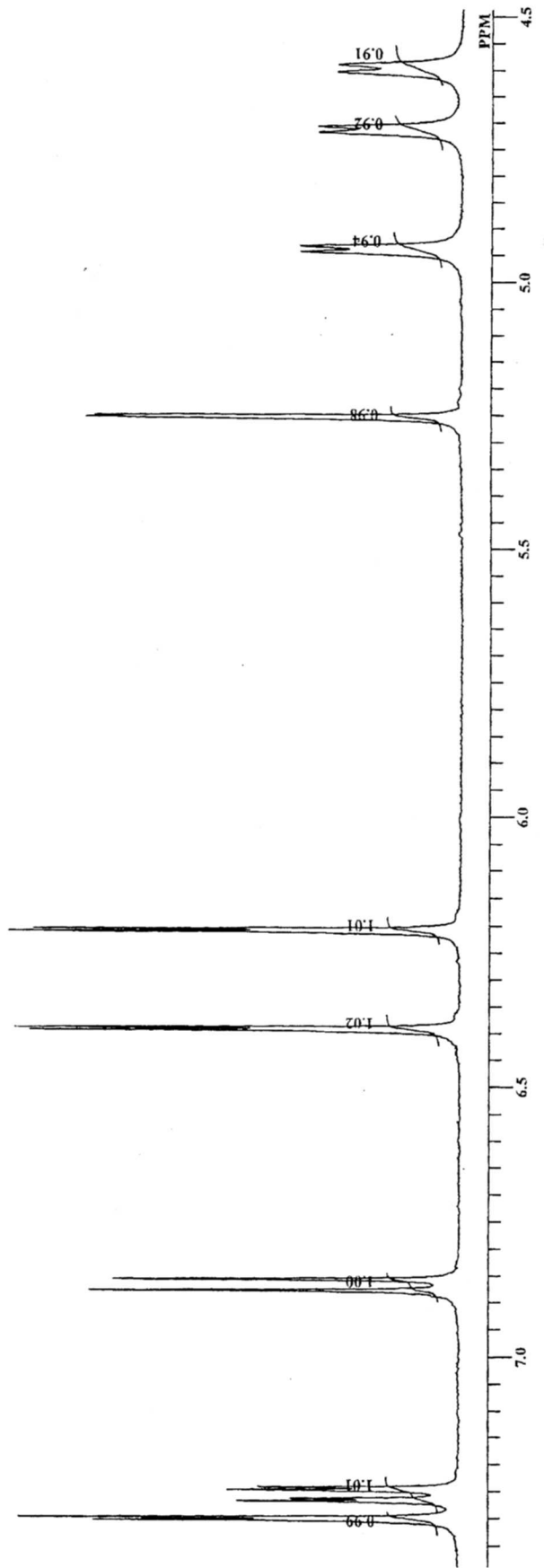
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