



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.: P-102

Product:

QUERCETIN dihydrate
(3,5,7,3',4'-Pentahydroxyflavone)

CAS Number:

[6151-25-3]

Lot No.:

0406225

Molecular Formula:

$C_{15}H_{10}O_7 \cdot 2H_2O$

Molecular Weight:

338.27

Melting Point:

>280°C

Appearance:

Yellow powder

TLC:

Chloroform:Methanol (8:2)

Solubility:

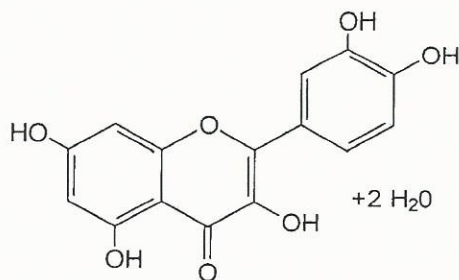
Soluble in DMSO

Moisture(KF)

12.0%

Assay(HPLC):

99.63%





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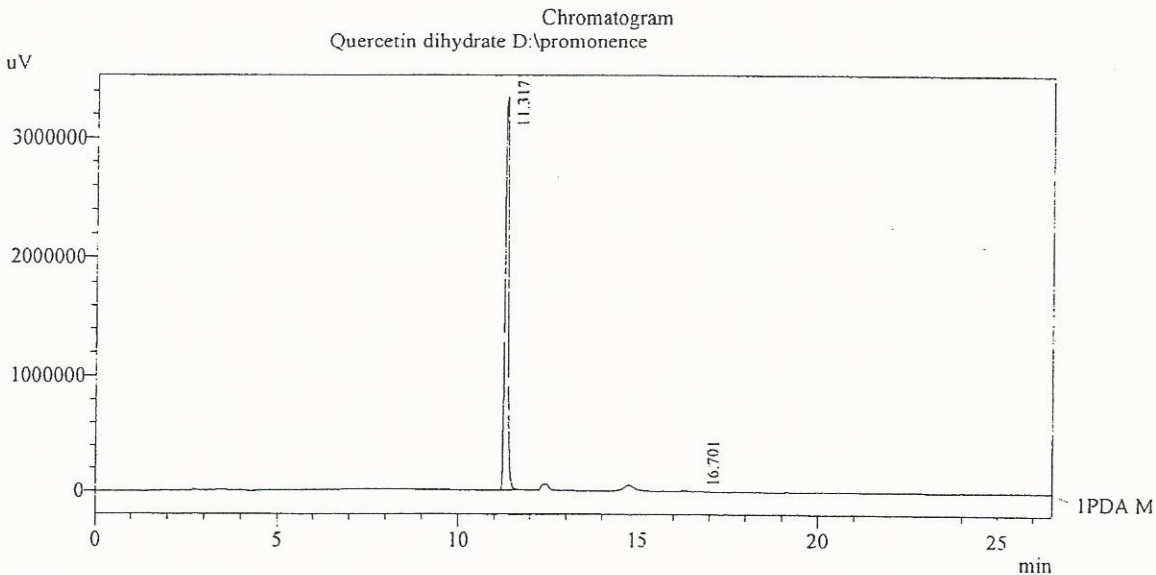
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Rama krishna
 Sample Name : Quercetin dihydrate
 Sample ID : lot no.: 0406225
 Injection Volume : 20 uL
 Data Filename : 170811D.lcd
 Method Filename : Linear Gradient.M.lcm

Cat. No.: P-102
 Product name: Quercetin dihydrate
 Lot No.: 0406225

Description:
 Column : Phenomenex C-18, 250X4.6mm 5.0µm
 Flow : 1.000ML/min.
 Mobile Phase : A(Water 0.05% TFA) : B(ACN)
 00.01 : 90 : 10
 12.00 : 10 : 90
 20.00 : 10 : 90
 25.00 : 90 : 10



1 PDA Multi 1 / 254nm 4nm

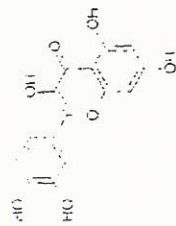
PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Height	Area %
1	11.317	22885744	3328870	99.632
2	16.701	84555	8786	0.368
Total		22970299	3337656	100.000



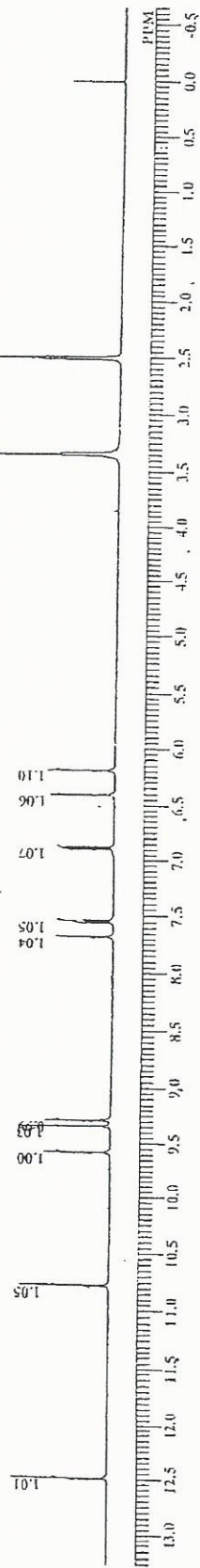
INDOFINE Chemical Company, Inc.
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844



QCT-123 1H NMR DMSO-D6

Cat. No.: P-102
Product name: Quercetin dihydrate
Lot No.: 0406225

OBNUC 111
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 kHz
CJUPIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
TD 3.0000 sec
PWT 5.60 usec
IRNUC 1H
CTEMP 25.0 c
SLVNT DMSO
EXREF 0.00 ppm
RF 0.30 Hz
RGAIN 33



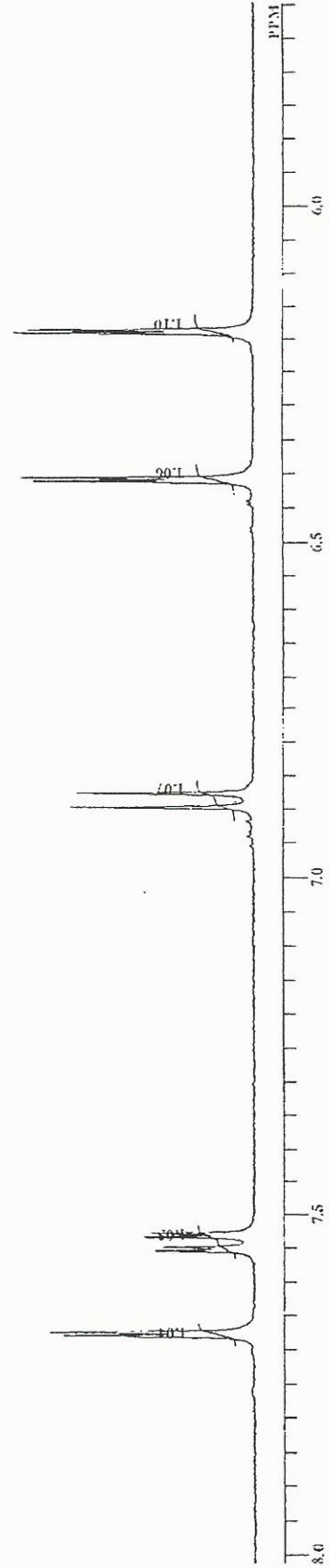


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EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 23





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PWI 5.60 usec
IRNUC 1H
CTEMP 25.0 c
SLVNT DMSO
EXREF 0.00 ppa
BF 0.30 Hz
RGAIN 23

