



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: P-103

Product: **3,7,3',4',5' -PENTAHYDROXYFLAVONE**
(Robinetin)

CAS Number: [490-31-3]

Lot No.: 0303022

Molecular Formula: C₁₅H₁₀O₇

Molecular Weight: 302.25

Melting Point: >290°C

Appearance: Pale brown powder

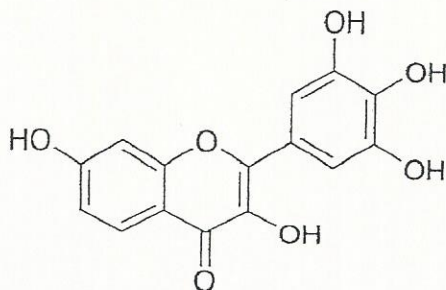
TLC: Chloroform:Methanol:AcOH (8.5:1.5:0.1)

Solubility: Soluble in DMSO

NMR Spectrum: Enclosed

Storage: Store in a cool, dry place

Purity(HPLC): 98.05%





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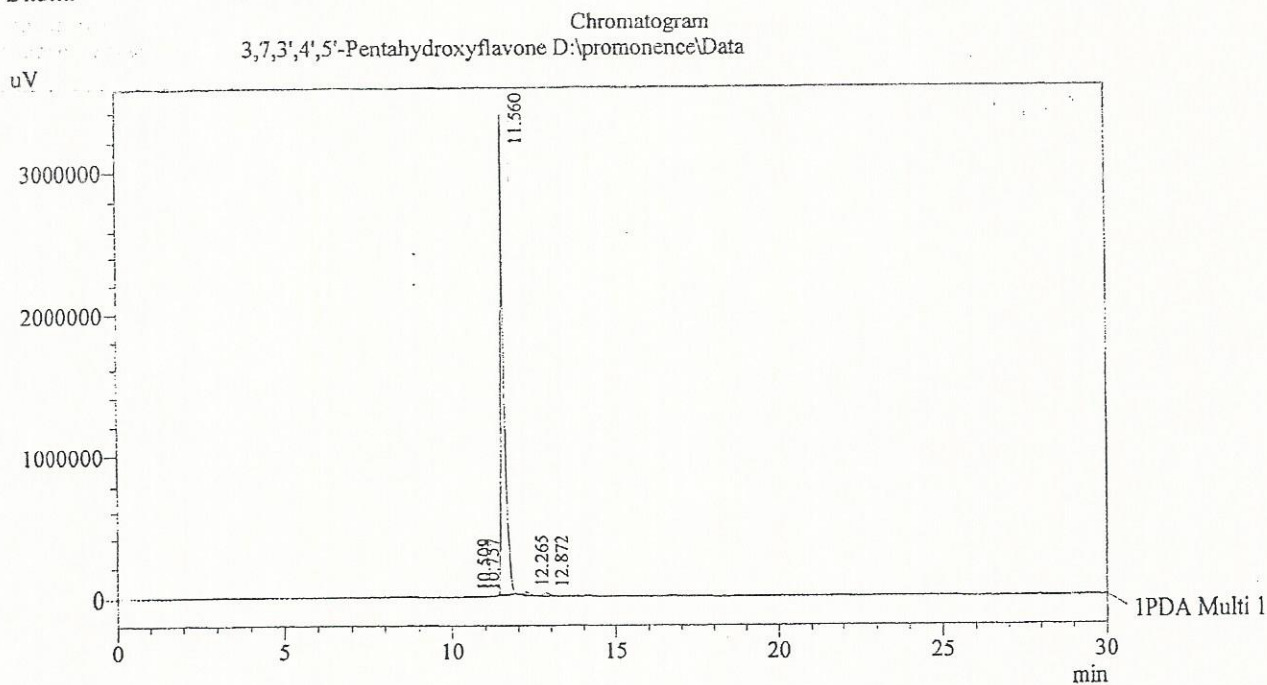
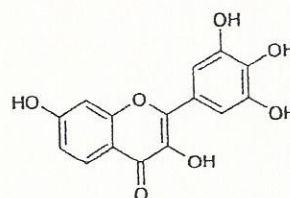
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 3,7,3',4',5'-Pentahydroxyflavone
 Sample ID : Lot No:- 0303022
 Injection Volume : 20 uL
 Data Filename : 130413D.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: P-103
 Product name: 3,7,3',4',5'-Pentahydroxyflavone
 (Robinetin)
 Lot No.: 0303022

Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)
 Flow : 1.000 mL/min.
 Mobile Phase : A(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

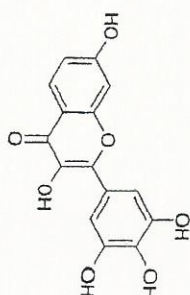
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:10.509	10.509	11314	0.05	0.91
2	RT:10.757	10.757	7362	0.03	0.93
3	3,7,3',4',5'-Pentahydroxyflavone	11.560	22778300	98.05	1.00
4	RT:12.265	12.265	180992	0.78	1.06
5	RT:12.872	12.872	253429	1.09	1.11
Total			23231397	100.00	



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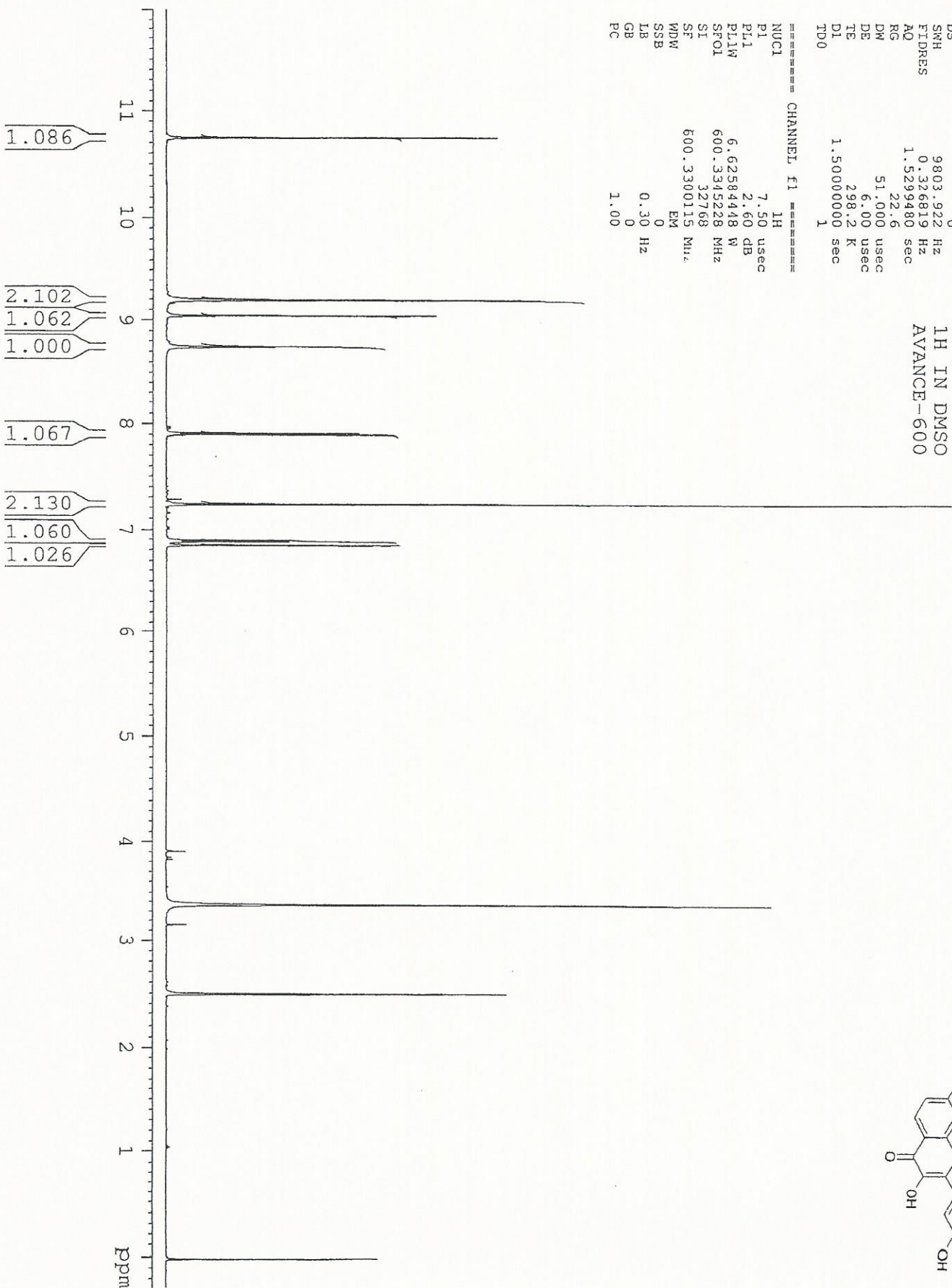
Catalog No.: P-103
 Product name: 3,7,3',4',5'-Pentahydroxyflavone
 (Robinetin)
 Lot No.: 0303022



1H IN DMSO
 AVANCE-600

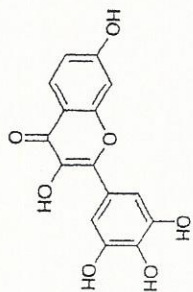
SOLVENT	DMSO
NS	16
DS	0
SMH	9803.922 Hz
FIDRES	0.326819 Hz
AQ	1.5299480 sec
RG	22.6
DW	51.000 usec
DE	6.00 usec
TE	298.2 K
D1	1.50000000 sec
TD0	1

===== CHANNEL f1 =====	1H
NUC1	1H
P1	7.50 usec
PL1	2.60 dB
PL1W	6.62584448 W
SFO1	600.3345228 MHz
SI	32768
SF	600.3300115 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00





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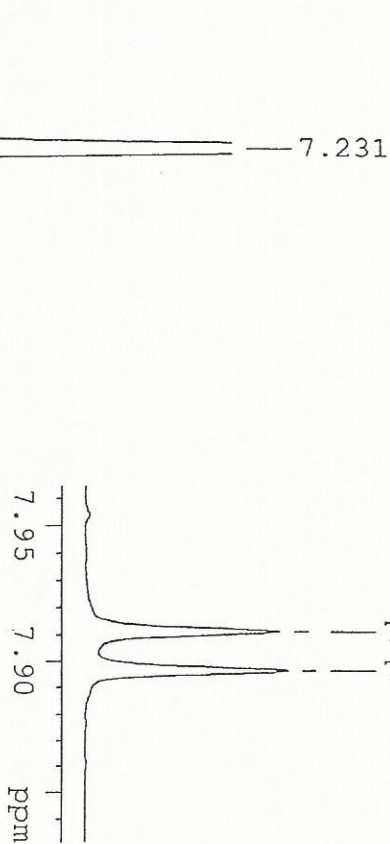
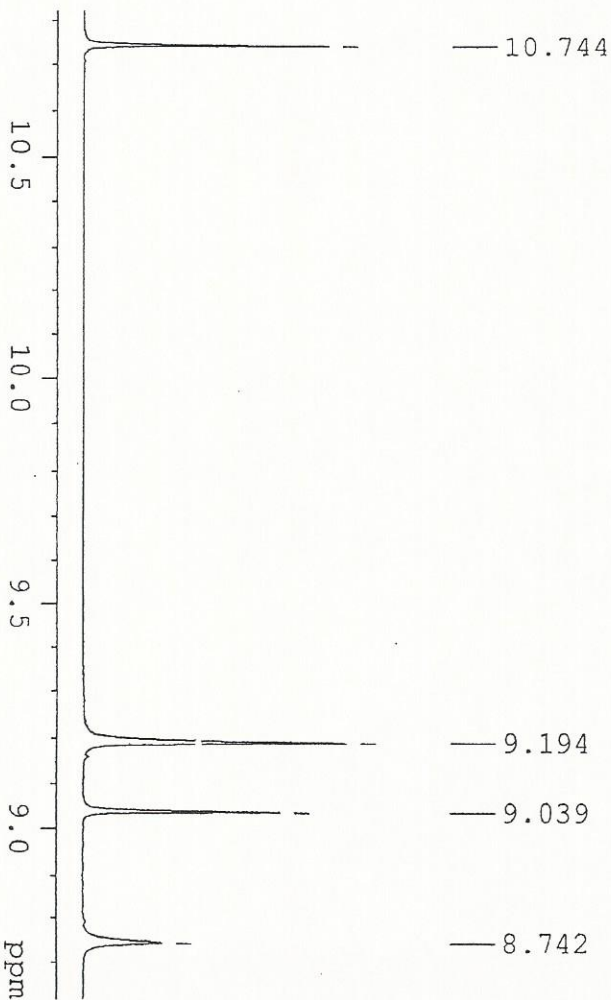


Catalog No.: P-103
 Product name: 3,7,3',4',5'-Pentahydroxyflavone
 (Robinetin)
 Lot No.: 0303022

SOLVENT DMSO
 NS 16
 DS 0
 SMH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
 RG 22.6
 DM 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.500000000 sec
 TD0 1

1H IN DMSO
 AVANCE-600

===== CHANNEL f1 =====
 NUCL 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3345238 MHz
 SI 32768
 SF 600.3300115 MHz
 MDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



6.891
 6.887
 6.876
 6.873
 6.843
 6.840

