



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.: 06-026

Product:

TANGERETIN

(5,6,7,8,4'-Pentamethoxyflavone, Ponkanetin)

CAS Number:

[481-53-8]

Lot Number:

1210249

Chemical Formula:

$C_{20}H_{20}O_7$

Molecular Weight:

372.38

Appearance:

White powder

Melting point:

153-155°C

TLC:

Chloroform:Methanol (9:1)

Solubility:

Soluble in chloroform

NMR Spectrum:

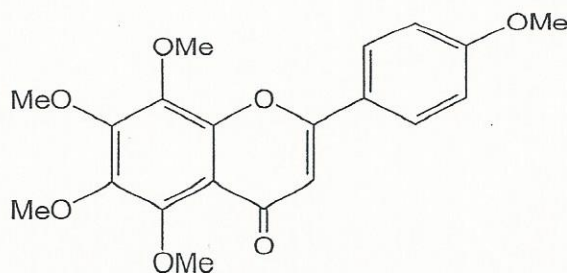
Enclosed

Storage:

Cool dry place. Do not freeze. Keep away from heat and light.

Purity(HPLC):

99.12%





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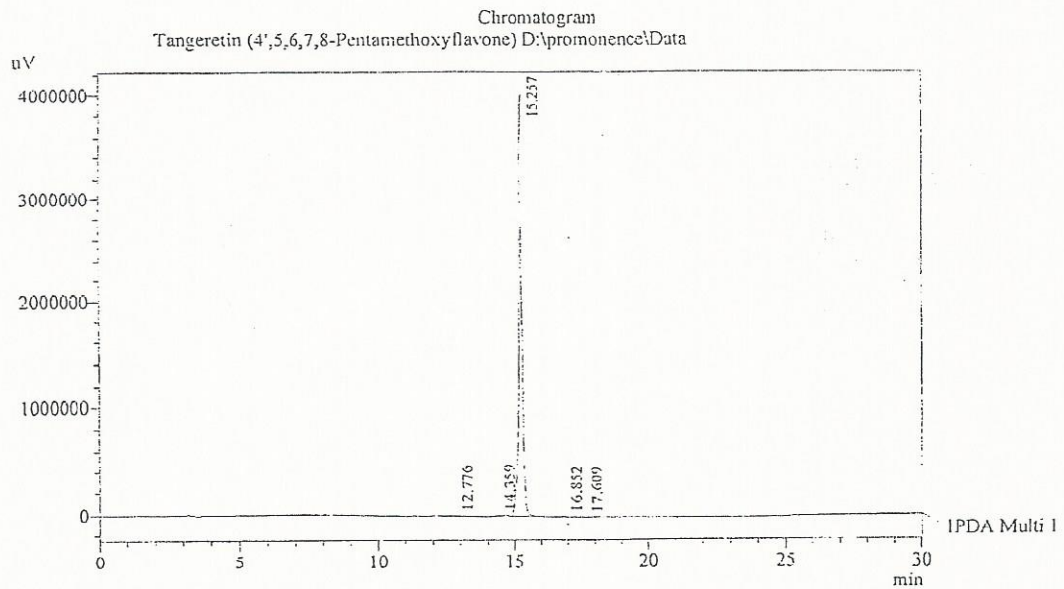
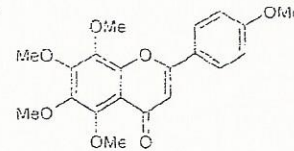
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : Tangeretin (4',5,6,7,8-Pentamethoxyflavone)
 Sample ID : Lot No:-1210249
 Injection Volume : 20 uL
 Data Filename : 2512121.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog no.: 06-026
 Product name: Tangeretin
 Lot No.: 1210249

Column : LUNA C-18(2), (250mm 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



1 PDA Multi 1 / 225nm 4nm

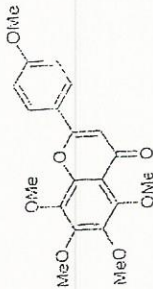
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.776	12.776	132998	0.40	0.84
2	RT:14.359	14.359	80841	0.24	0.94
3	Tangeretin	15.257	33025046	99.12	1.00
4	RT:16.852	16.852	67879	0.20	1.10
5	RT:17.609	17.609	10351	0.03	1.15
Total			33317115	100.00	



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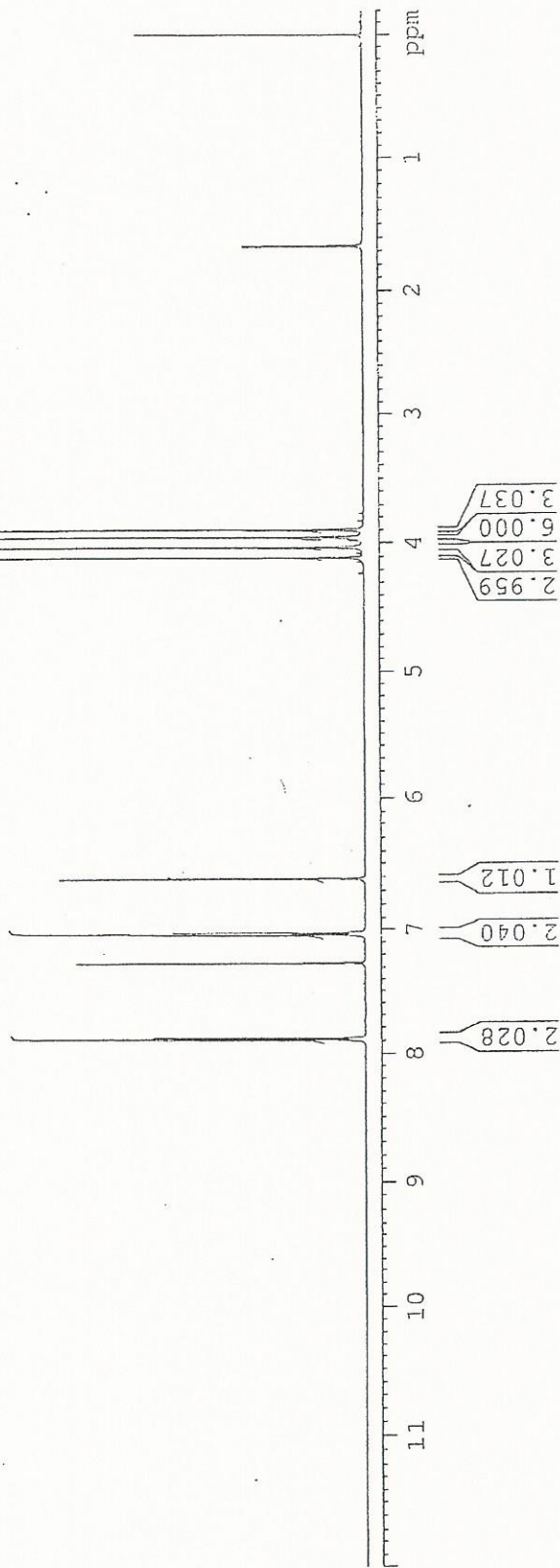
Catalog no.: 06-026
 Product name: Tangeretin
 Lot No.: 1210249



SOLVENT CDCL3
 NS 8
 DS 0
 SWH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.529980 sec
 RG 20.2
 DW 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.5000000 sec
 TD0 1

1H IN CDCL3
 AVANCE-600

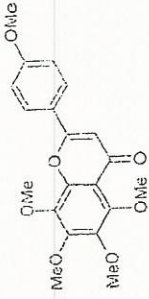
***** CHANNEL f1 *****
 NUC1 1H
 P1 7.15 usec
 PL1 2.60 dB
 PL1W 6.6258448 W
 SF01 600.3343243 MHz
 SI 32768
 SF 30.3300119 MHz
 EM
 RDW 0
 SSB 0.30 Hz
 LB 0
 GE 0
 PC 1.00





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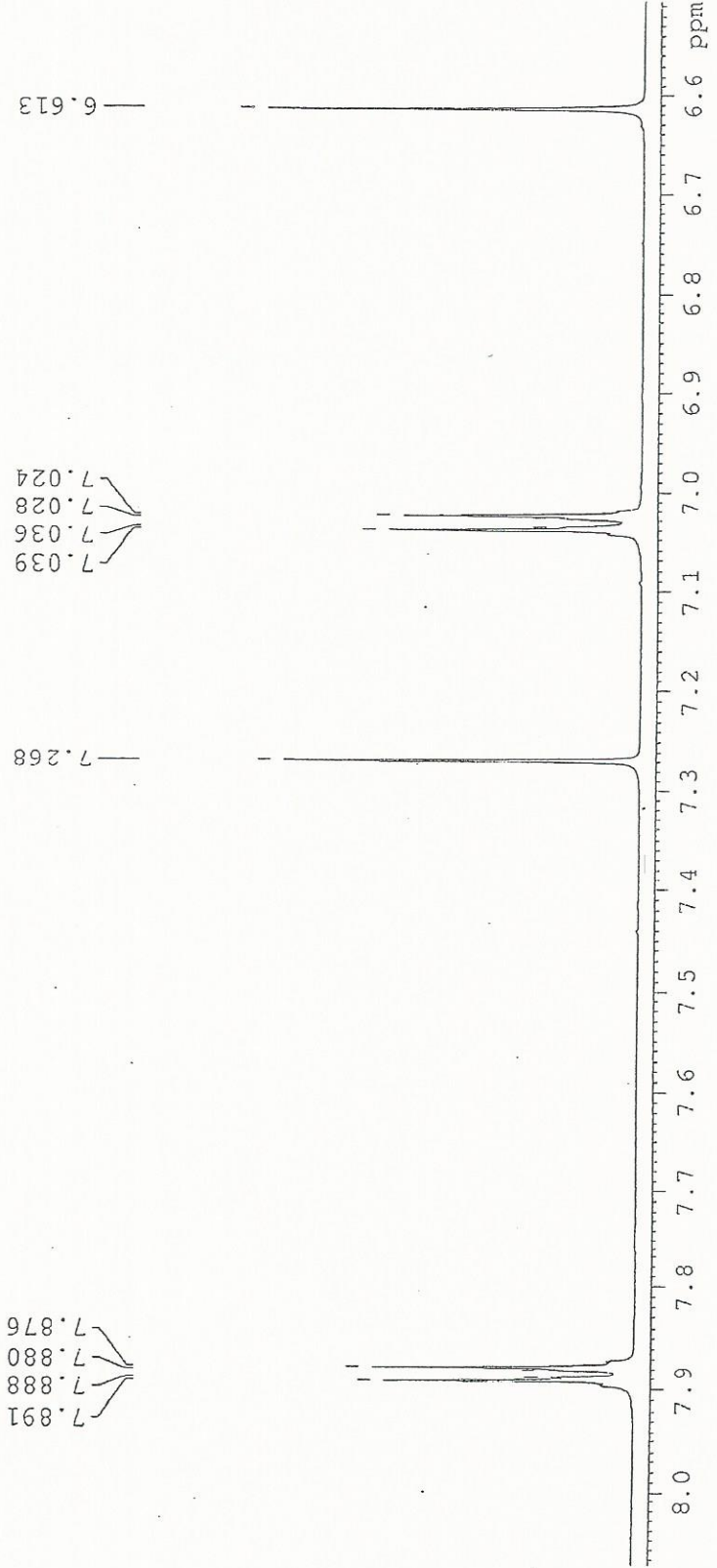
Catalog no.: 06-026
 Product name: Tangeretin
 Lot No.: 1210249

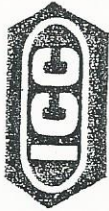


SOLVENT CDCl3
 NS 8
 DS 0
 SWH 9803.922 Hz
 FIDRES 0.326919 Hz
 AQ 1.5299480 sec
 RG 20.2
 DW 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

1H IN CDCl3
 AVANCE-600

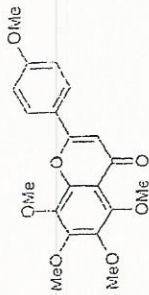
===== CHANNEL f1 =====
 NUC1 1H
 P1 7.15 usec
 PL1 2.60 dB
 PL1W 6.62584448 R
 SF01 600.3343243 MHz
 SI 32768
 CF 600.3300119 MHz
 VDW EM
 SSB 0
 LE 0.30 Hz
 GB 0
 PC 1.00





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 NS 0
 DS 0
 SWH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
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 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

1H IN CDCl3
 AVANCE-600

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.15 usec
 PL1 2.60 dB
 PL1W 6.62584448 N
 SF01 600.3343243 MHz
 SI 32768
 SF 600.3300119 MHz
 WDW EM
 SSB 0
 L5 0.30 Hz
 GB 0
 PC 1.00

