

ICC **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: 0409257

Chemical Formula: C₂₀H₂₀O₇

Molecular Weight: 372.38

Melting Point: 155-157°C

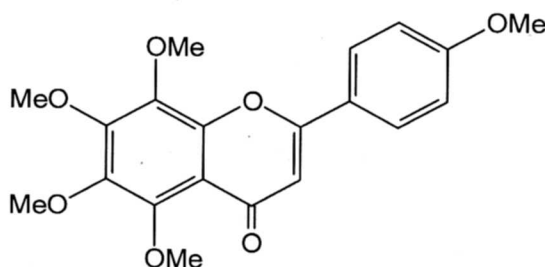
Appearance: Off white powder

TLC: Chloroform:Methanol (9:1)

Solubility: Soluble in chloroform

Storage: Cool dry place

Purity: 99.26%





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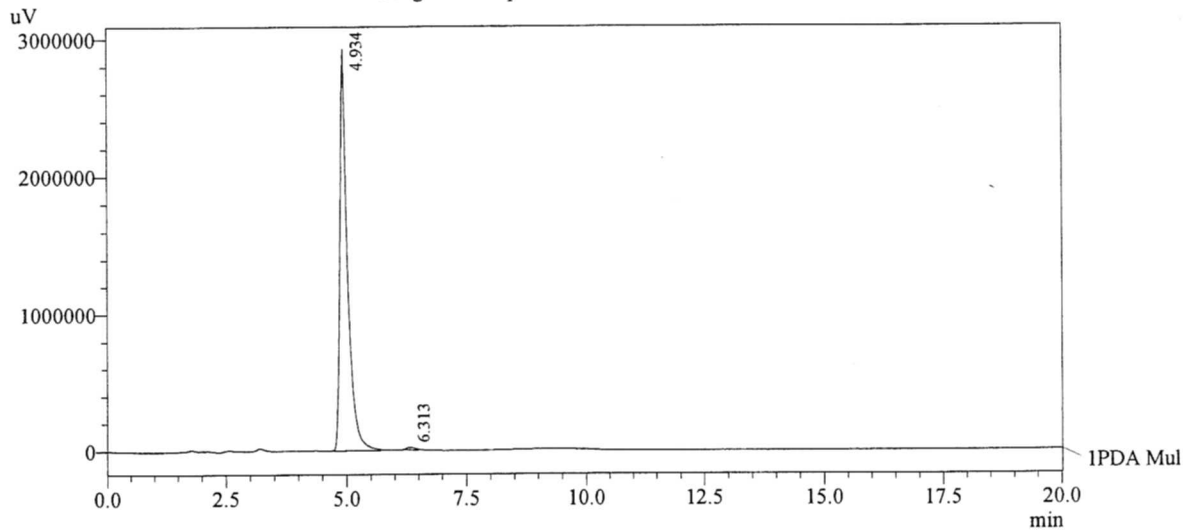
HPLC ANALYSIS

Date Acquired : 1/19/2011 11:14:28 AM
Acquired by : Madhuri
Sample Name : Tangeretin
Sample ID : Lot No. : 0409257
Injection Volume : 20 µL
Data Filename : 190111C.lcd
Method Filename : Linear Isocratic.M.lcm

Cat. No.: 06-026
Product name: Tangeretin
Lot No.: 0409257

Description:
Column : Inertsil C-18, 250X4.6mm 5.0µm
Flow : 1.000ML/min.
Mobile Phase : A(20% of 0.05% TFA) B(80% of ACN)

Chromatogram
Tangeretin D:\promonence\2011\Jan-11\190111C.lcd



1 PDA Multi 1 / 220nm 4nm

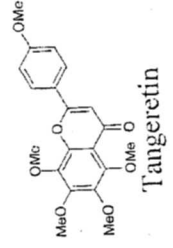
PeakTable

PDA Ch1 220nm 4nm

Peak#	Ret. Time	Area	Height	Area %
1	4.934	31480250	2926986	99.261
2	6.313	234460	19183	0.739
Total		31714710	2946169	100.000

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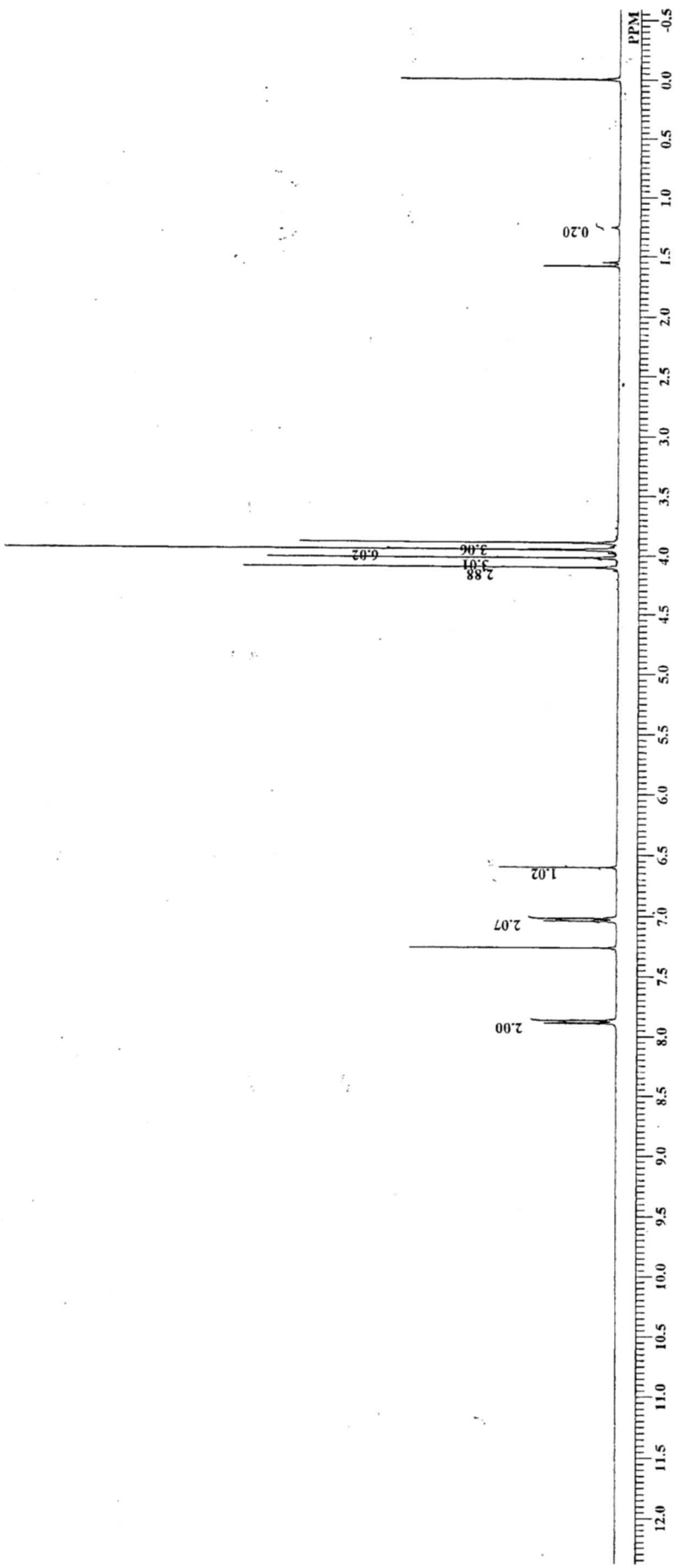
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DFILE TAN,als
 COMNT TAN 1H NMR CD1
 DATIM Tue Jan 11 19:33:55
 OBNUC 1H
 EXMOD NON
 OBFRQ 399.65 MHz
 OBSET 124.00 KHz
 OFBIN 10500.00 Hz
 POINT 65536
 FREQU 7992.01 Hz
 SCANS 8
 ACQTM 8.2002 sec
 PD 3.0000 sec
 PW1 5.60 usec
 IRNUC 1H
 CTEMP 23.5 c
 CDCL3
 SLVNT
 EXREF 0.00 ppm
 BF 0.30 UHz
 RGAIN 20

TAN 1H NMR CDC13

Cat. No.: 06-026
 Product name: Tangeretin
 Lot No.: 0409257



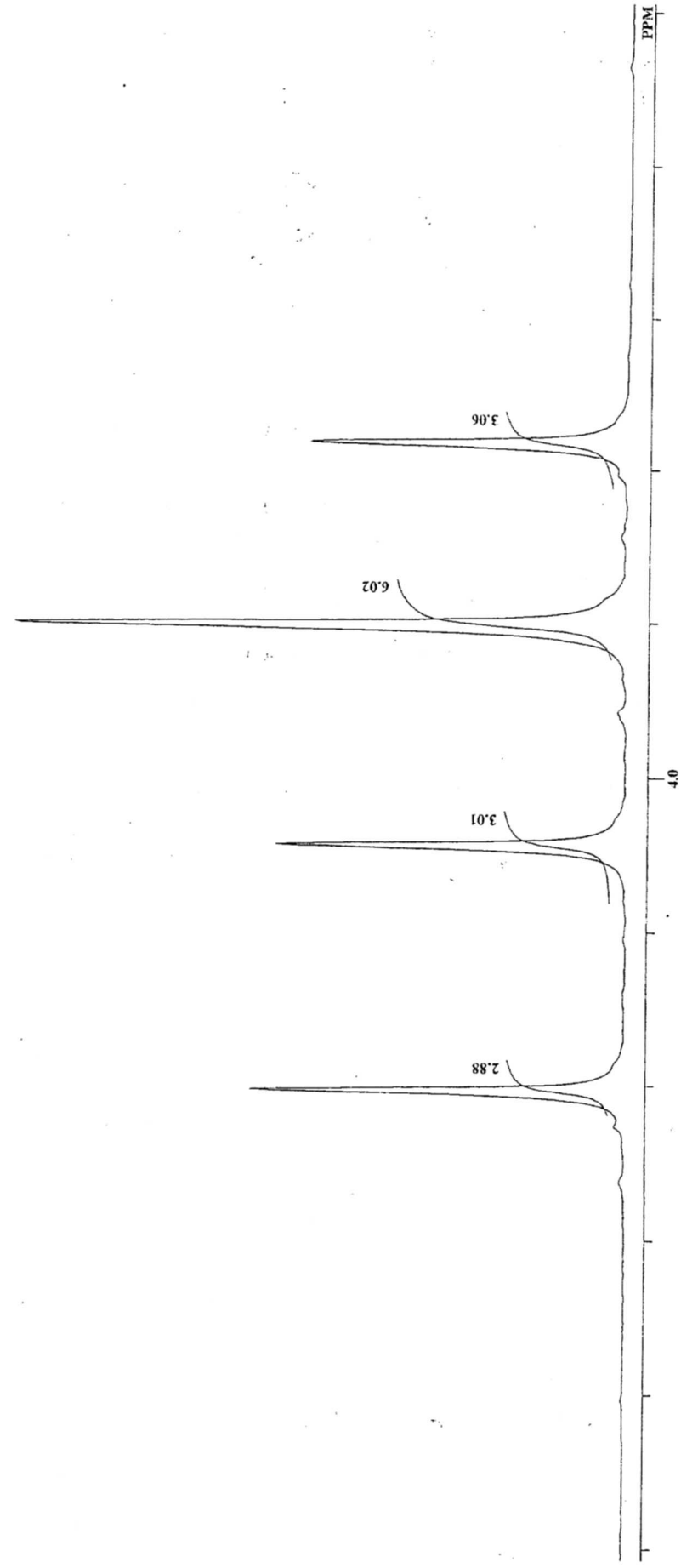
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DFILE TAN.als
COMINT TAN 1H NMR CDK
DATIM Tue Jan 11 19:33:5
OBNUC IH
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 8
ACQTM 8.2002 sec
PD 3.0000 sec
PWI 5.60 usec
IRNUC IH
CTEMP 23.5 c
SLVNT CDCl3
EXREF 0.00 ppm
RF 0.30 Hz
RGAIN 20

TAN 1H NMR CDCl3
Cat. No.: 06-026
Product name: Tangeretin
Lot No.: 0409257





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TAN.als
TAN 1H NMR CDB
Tue Jan 11 19:33:5
IH
NON
399.65 MHz
124.00 KHz
10500.00 Hz
65536
7992.01 Hz
8
8.2002 sec
3.0000 sec
5.60 usec
IH
23.5 c
CDCL3
0.00 ppm
0.30 Hz
20

DFILE
COMNT
DATIM
OBNUC
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POINT
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ACQTM
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CTEMP
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