

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

Catalog Number: 22-327

Product Name: **3,7,3'-TRIHIDROXYFLAVONE**

Lot Number: 0012285

Chemical Formula: C₁₅H₁₀O₅

Molecular Weight: 270.25

Melting Point: 295-298°C

Appearance: Deep cream color powder

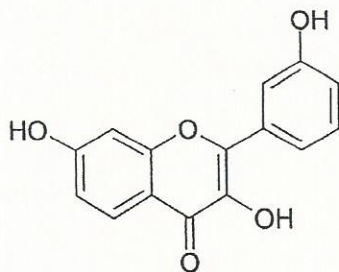
TLC: Hexane:Ethyl acetate (1:1)

Solubility: Soluble in DMSO

NMR Spectrum: Conforms to the structure

Storage: Store in a cool, dry place

Purity (HPLC): 96.52%





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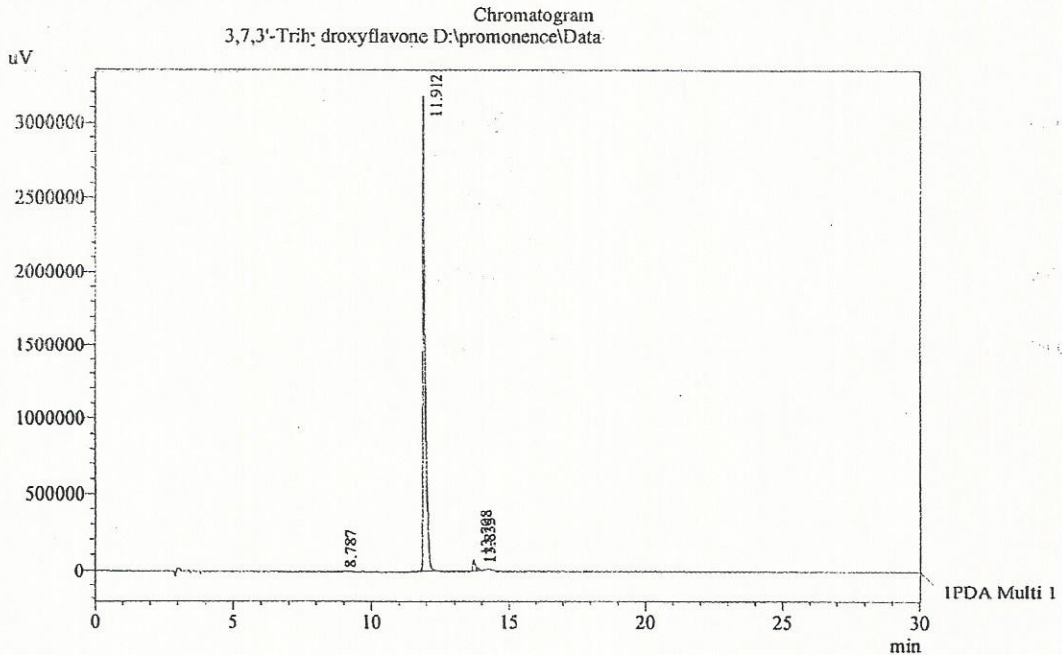
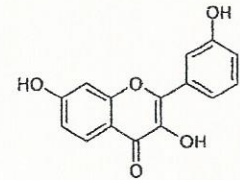
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 3,7,3'-Trihydroxyflavone
Sample ID : Lot No:001285
Injection Volume : 20 uL
Data Filename : 160514J.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 22-327
Product Name: 3,7,3'-Trihydroxyflavone
Lot No.: 0012285

Column : Phenomenex Luna-C18 (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
Diluent : Methanol



1 PDA Multi 1 / 220nm 4nm

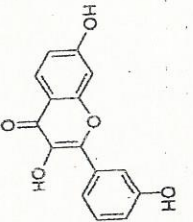
PeakTable

PDA Ch1 220nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:8.787	8.787	8122	0.04	0.74
2	3,7,3'-Trihydroxyflavone	11.912	17706093	96.52	1.00
3	RT:13.708	13.708	511381	2.79	1.15
4	RT:13.835	13.835	119013	0.65	1.16
Total			18344610	100.00	



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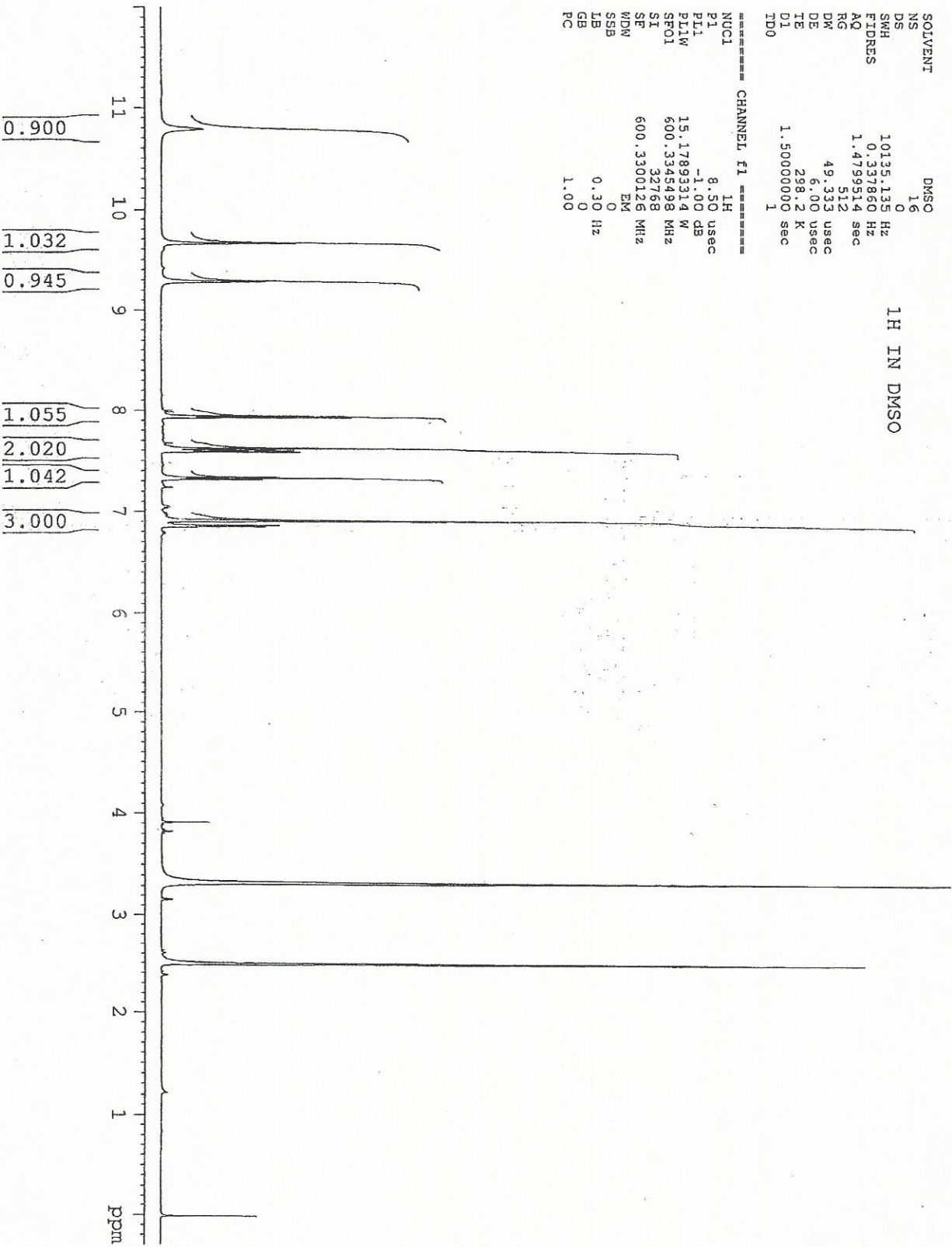


Catalog No.: 22-327
 Product Name: 3,7,3'-Trihydroxyflavone
 Lot No.: 0012285

SOLVENT DMSO
 NS 16
 DS 0
 SMH 10135.135 Hz
 FIDRES 0.337860 Hz
 AQ 1.4799514 sec
 RG 512
 DM 49.333 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

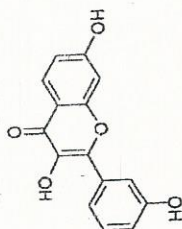
CHANNEL f1
 NUCL 1H
 P1 8.50 usec
 PL1 -1.00 dB
 PL1W 15.17893314 W
 SFO1 600.3345498 MHz
 SI 32768
 SE 600.3300126 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1H IN DMSO





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FIDRES 0.337860 Hz
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1H IN DMSO

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P1L -1.00 dB
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