



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: H-025

Product Name: **5-HYDROXYFLAVONE**
(Primuletin)

CAS Number: [491-78-1]

Lot Number: 0707055

Chemical Formula: C₁₅H₁₀O₃

Molecular Weight: 238.25

Melting Point: 157-159°C

Appearance: Light yellow fluffy powder

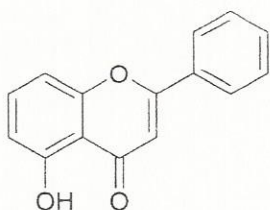
Solubility: Soluble in Chloroform

TLC: Hexane:Ethyl acetate (7:3)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity (HPLC): 99.78%





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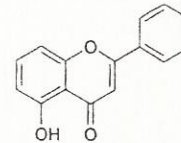
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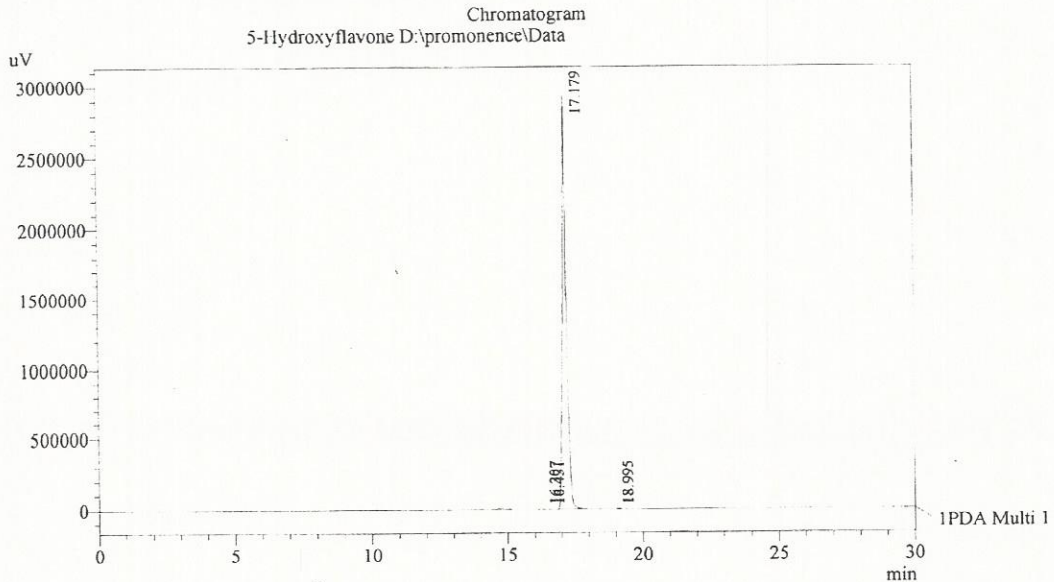
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 5-Hydroxyflavone
Sample ID : Lot No :0707055
Injection Volume : 20 uL
Data Filename : 100813G.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: H-025
Product Name: 5-Hydroxyflavone
Lot No.: 0707055



Column : LUNA C-1_v(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
Diluent : Mobile phase-A:Mobile phase-B(50:50)



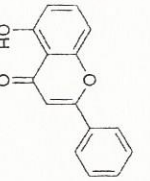
1 PDA Multi 1 / 254nm 4nm

PeakTable

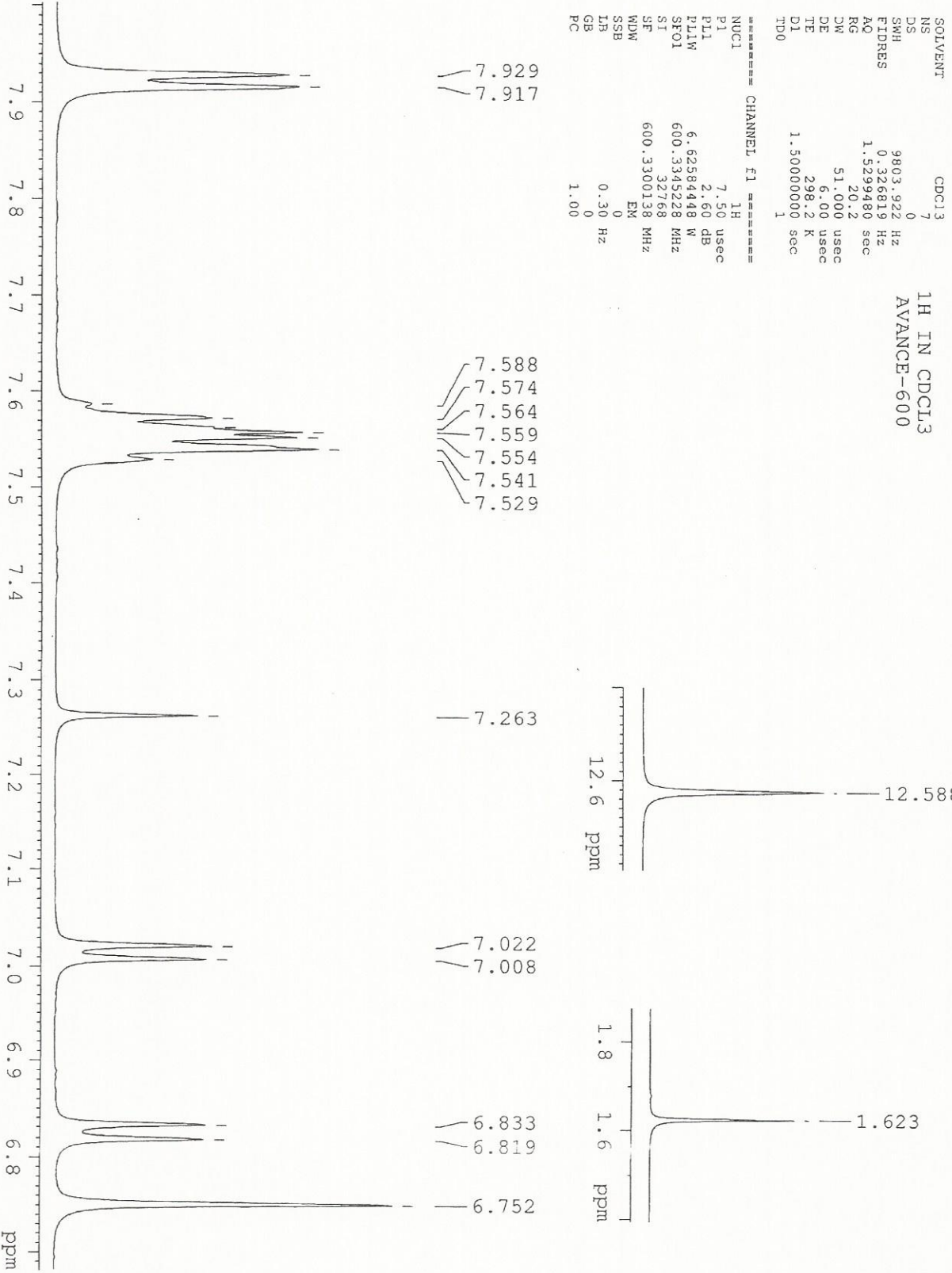
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:16.307	16.307	41933	0.14	0.95
2	RT:16.431	16.431	18977	0.06	0.96
3	5-Hydroxyflavone	17.179	29426763	99.78	1.00
4	RT:18.995	18.995	3848	0.01	1.11
Total			29491521	100.00	



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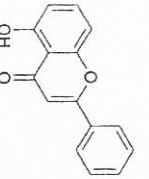


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SOLVENT CDCl3
 NS 7
 DS 0
 SMH 9803.922 Hz
 FIDRES 0.325819 Hz
 AQ 1.5299480 sec
 RG 20.2
 DW 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUCC1 1H
 P1 7.50 usec
 P1I 2.60 dB
 P1IW 6.62589448 N
 SF01 600.3349228 MHz
 SI 32768
 SF 600.3300138 MHz
 MDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

