



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-110

Product Name: **5-HYDROXY-7-METHOXYFLAVONE**
(Methyl chrysin; Tectochrysin)

CAS Number: [520-28-5]

Lot Number: 0503027

Chemical Formula: C₁₆H₁₂O₄

Molecular Weight: 268.27

Melting Point: 166-168°C

Appearance: Light yellow powder

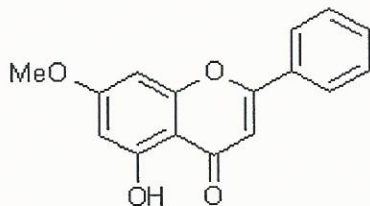
TLC: Hexane: Ethyl acetate (8:2)

Solubility: Soluble in chloroform

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity (HPLC): 99.73%





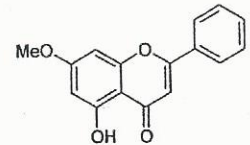
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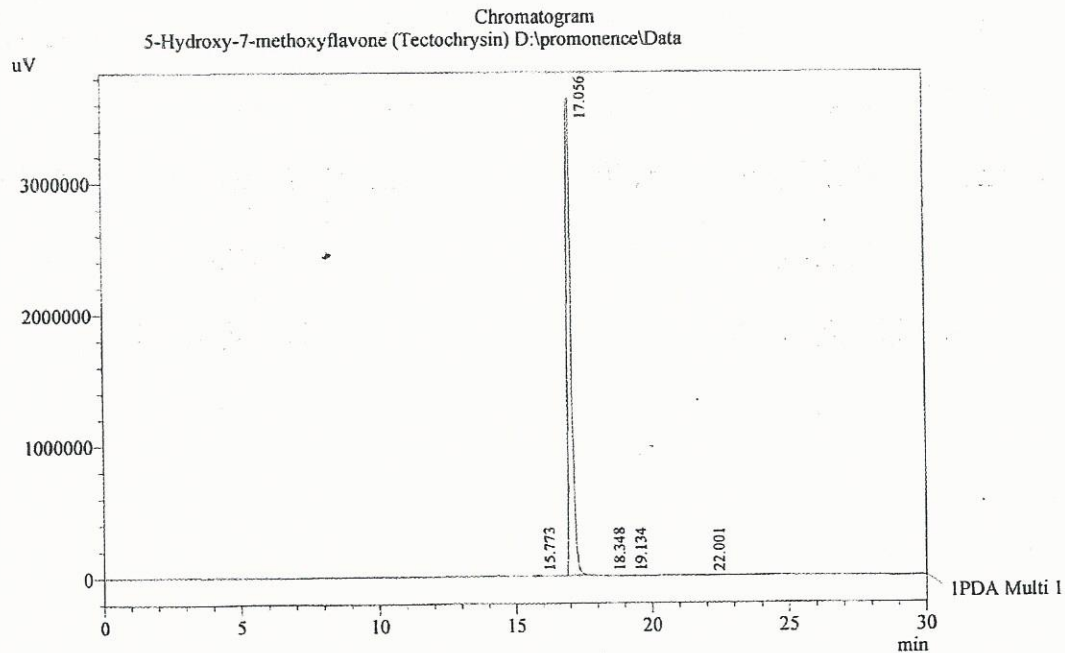
HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 5-Hydroxy-7-methoxyflavone (Tectochrysin)
 Sample ID : Lot No: 0503027
 Injection Volume : 20 uL
 Data Filename : 160514H.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: H-110
 Product Name: 5-Hydroxy-7-methoxyflavone
 Lot No.: 0503027



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 : Acetonitrile



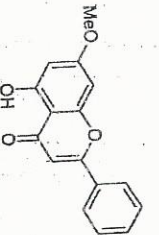
1 PDA Multi 1 / 254nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:15.773	15.773	86797	0.22	0.92
2	Tectochrysin	17.056	38697795	99.73	1.00
3	RT:18.348	18.348	7577	0.02	1.08
4	RT:19.134	19.134	4784	0.01	1.12
5	RT:22.001	22.001	5095	0.01	1.29
Total			38802049	100.00	



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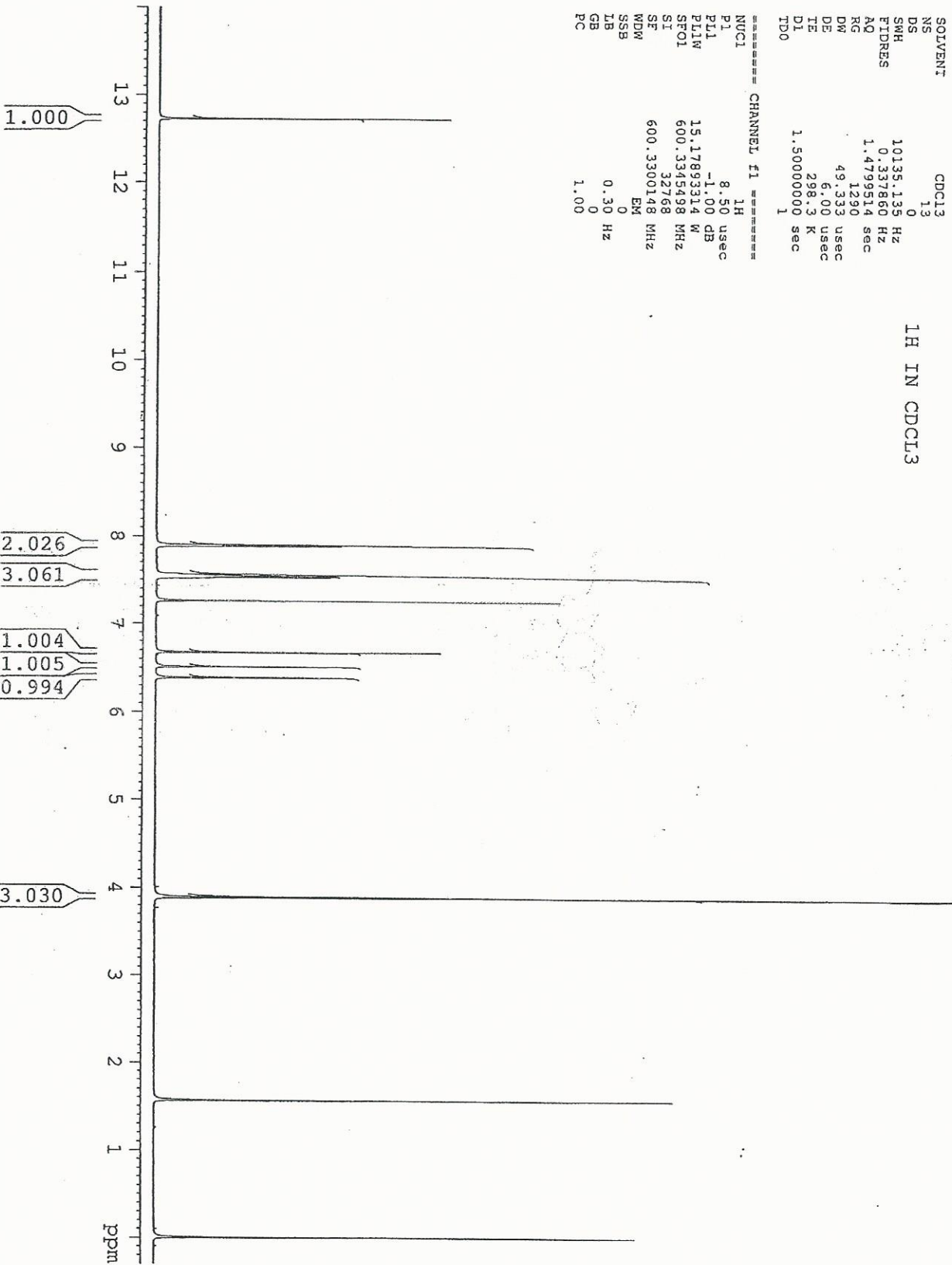


Catalog No.: H-110
Product Name: 5-Hydroxy-7-methoxyflavone
Lot No.: 0503027

SOVENT CDCL3
NS 13
DS 0
SWH 10135.135 Hz
FIDRES 0.337860 Hz
AQ 1.4799514 sec
RG 1290
DW 49.3333 usec
DE 6.00 usec
TE 298.3 K
D1 1.50000000 sec
TD0 1

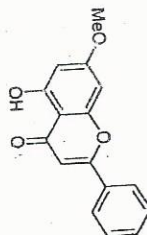
1H IN CDCL3

==== CHANNEL f1 =====
NUC1 1H
P1 8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SFO1 600.3345498 MHz
SI 32768
SF 600.3300148 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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Product Name: 5-Hydroxy-7-methoxyflavone
Lot No.: 0503027

SOLVENT CDCl3
NS 13
DS 0
SWH 10135.135 Hz
FIDRES 0.337860 Hz
AQ 1.4799314 sec
RG 1290
DW 49.333 usec
DE 6.00 usec
TE 298.3 K
D1 1.50000000 sec
TD0 1

1H IN CDCl3

==== CHANNEL f1 =====
NUC1 1H
PI -8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SFO1 600.3345498 MHz
SI 32768
SF 600.3300148 MHz
WDW EM
SSB 0
LB 0
GB 0.30 Hz
PC 1.00

