



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

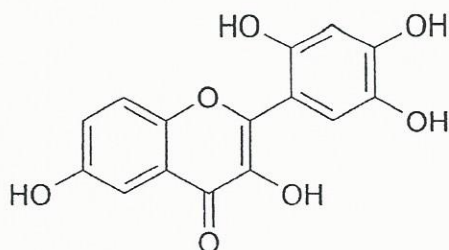
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	22-387
<u>Product:</u>	3,6,2',4',5'-PENTAHYDROXYFLAVONE
<u>Lot Number:</u>	1507629
<u>Chemical Formula:</u>	C ₁₅ H ₁₀ O ₇
<u>Molecular Weight:</u>	302.24
<u>Melting Point:</u>	>300°C
<u>Appearance:</u>	Beige powder
<u>Moisture(KF):</u>	0.25%
<u>TLC:</u>	Chloroform:methanol (7:3)
<u>Solubility:</u>	Soluble in DMSO
<u>NMR:</u>	Enclosed (conforms to the structure)
<u>Storage:</u>	Store in a cool, dry place. Protect from light.
<u>Purity(HPLC):</u>	99.24%





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HPLC ANALYSIS

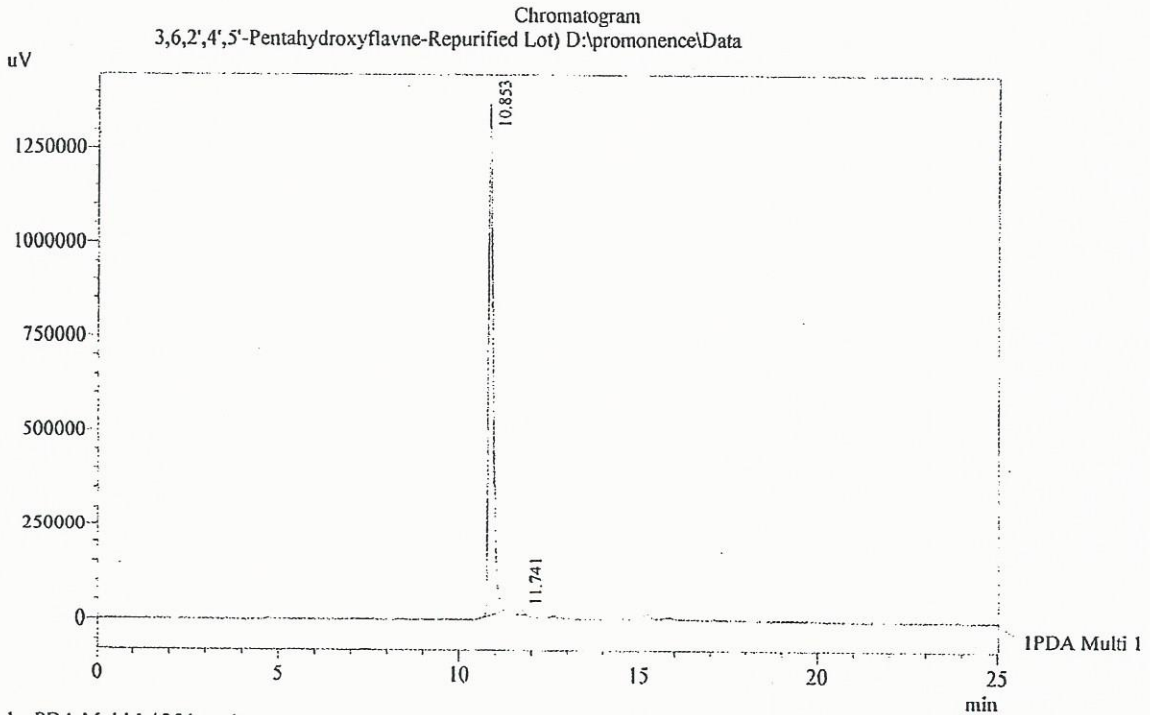
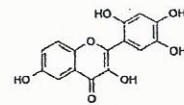
Acquired by : Admin
Sample Name : 3,6,2',4',5'-Pentahydroxyflavne

Catalog No.: 22-387
Product Name: 3,6,2',4',5'-Pentahydroxyflavone
Lot No.: 1507629

Injection Volume : 20 uL
Data Filename : 160715C.lcd
Method Filename : Linear Gradient.M.lcm

Column : LUNA C-18, (250mm x4.6nm 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
25.0 90 10

Diluent : MeOH



PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	3,6,2',4',5'-PentaOH Flavon	10.853	12045226	99.24	1.00
2	RT: 11.741	11.741	91954	0.76	1.08
Total			12137179	100.00	



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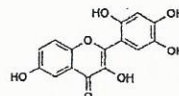
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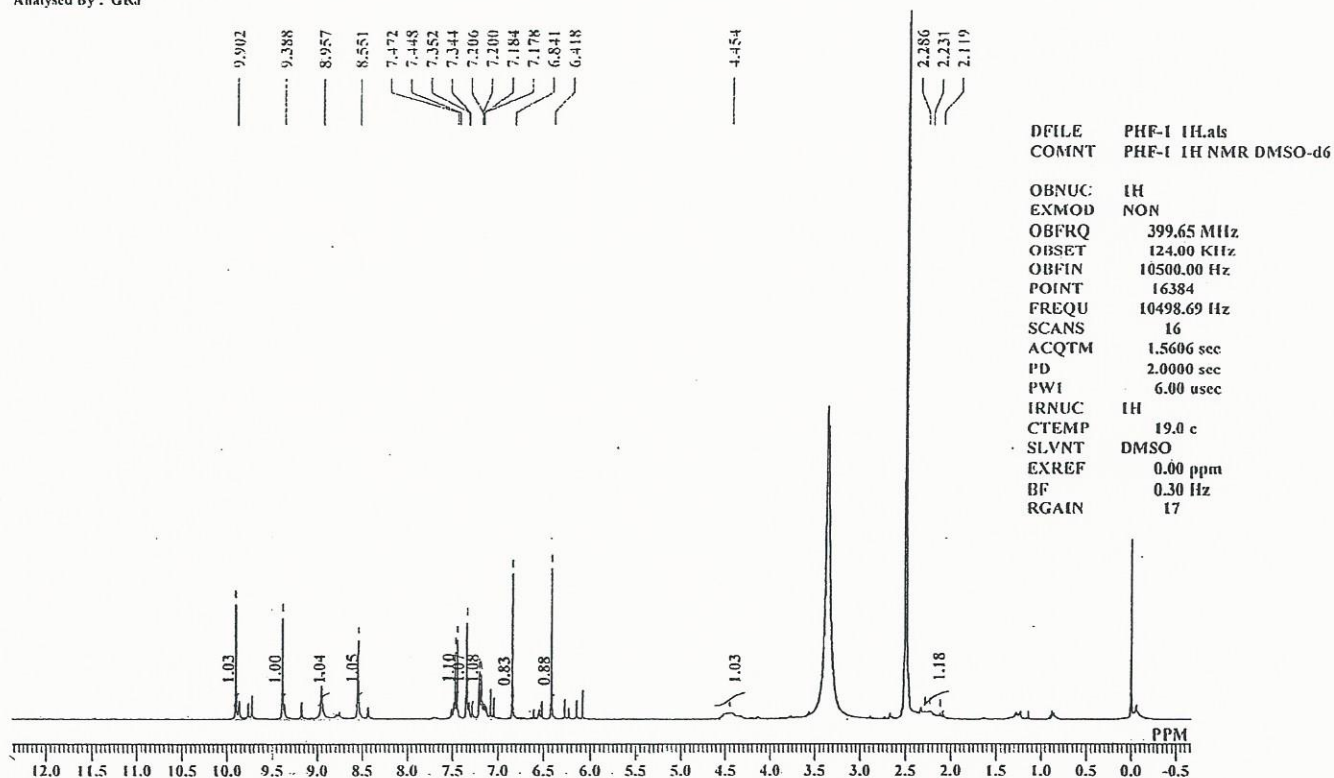
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Lot No.: 1507629



PHF-1 1H NMR DMSO-d6
Analysed By: GRJ





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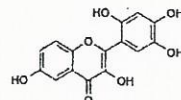
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PHF-1 1H NMR DMSO-d6

Analysed By: GRJ



DFILE	PHF-1 1H.a1s
COMNT	PHF-1 1H NMR DMSO-d6
OBNUC	1H
EXMOD	NON
QBFRQ	399.65 MHz
QBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	16384
FREQU	10498.69 Hz
SCANS	16
ACQTM	1.5606 sec
PD	2.0000 sec
PWI	6.00 usec
IRNUC	1H
CTEMP	19.0 c
SLVNT	DMSO
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	17

