



# 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](http://www.indofinechemical.com)

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## CERTIFICATE OF ANALYSIS

Catalog Number: D-118

Product Name: **5,4'-DIHYDROXY-7-METHOXYISOFLAVONE**  
(Prunetin)

CAS Number: [552-59-0]

Lot Number: 0810059

Chemical Formula: C<sub>16</sub>H<sub>12</sub>O<sub>5</sub>

Molecular Weight: 284.27

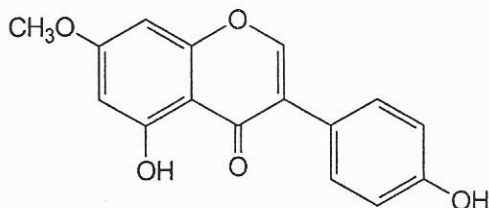
Melting Point: 239-241°C

Appearance: Off white powder

Solubility: Soluble in DMF

Storage: Store at -0°C

Purity(HPLC): 98.31%





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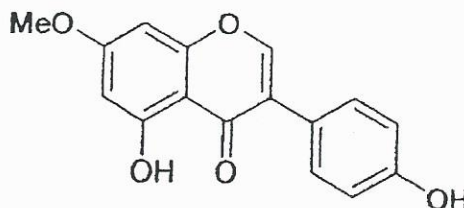
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e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

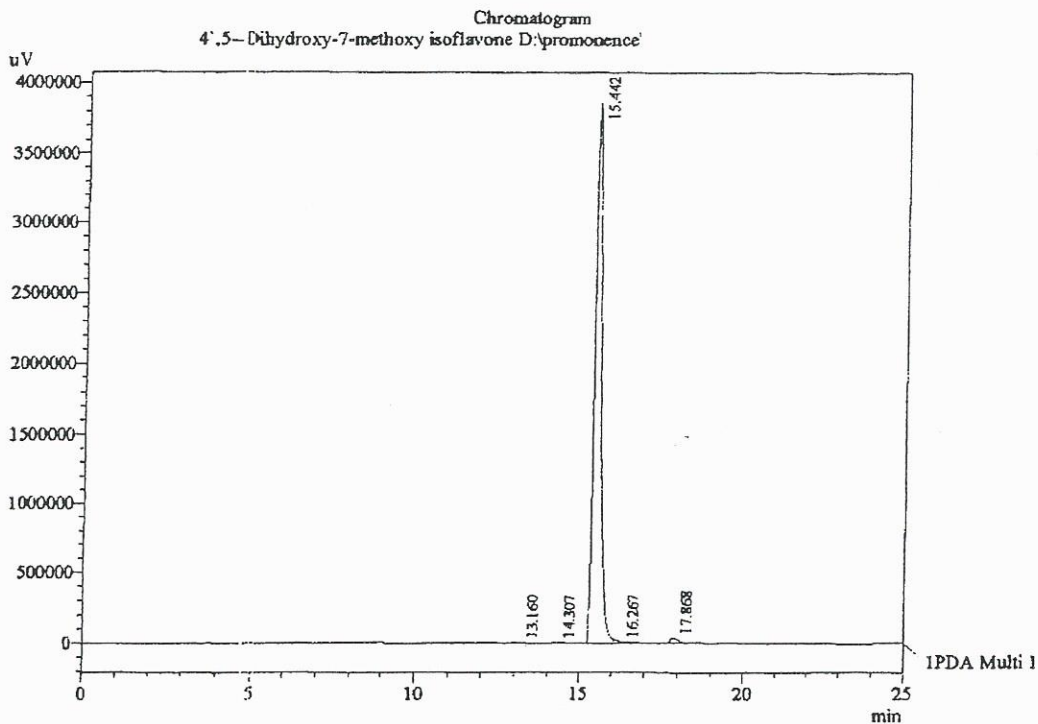
Cat. No.: D-118  
Name: Prunetin  
Lot No.: 0810059

Acquired by : Ramana  
Sample Name : 4',5-Dihydroxy-7-methoxy isoflavone  
Sample ID : Prunetin  
Injection Volume : 20 ul.  
Data Filename : 041008B.lcd  
Method Filename : Linear Gradient.M.lcm

Description:  
Column : Inertsil C-18, 250X4.6mm 5.0µm  
Flow : 1.000mL/min.  
Mobile Phase : A(Water 0.05% TFA) : B(ACN)  
00.00 : 90 : 10  
12.00 : 10 : 90  
20.00 : 10 : 90  
23.00 : 90 : 10



4',5-Dihydroxy-7-methoxy isoflavone  
(Prunetin)



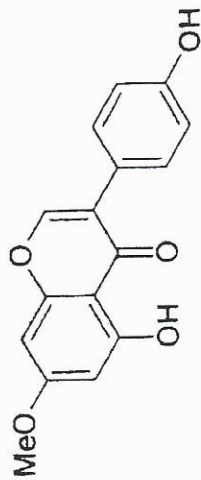
1 PDA Multi 1 / 254nm 4nm

PeakTable

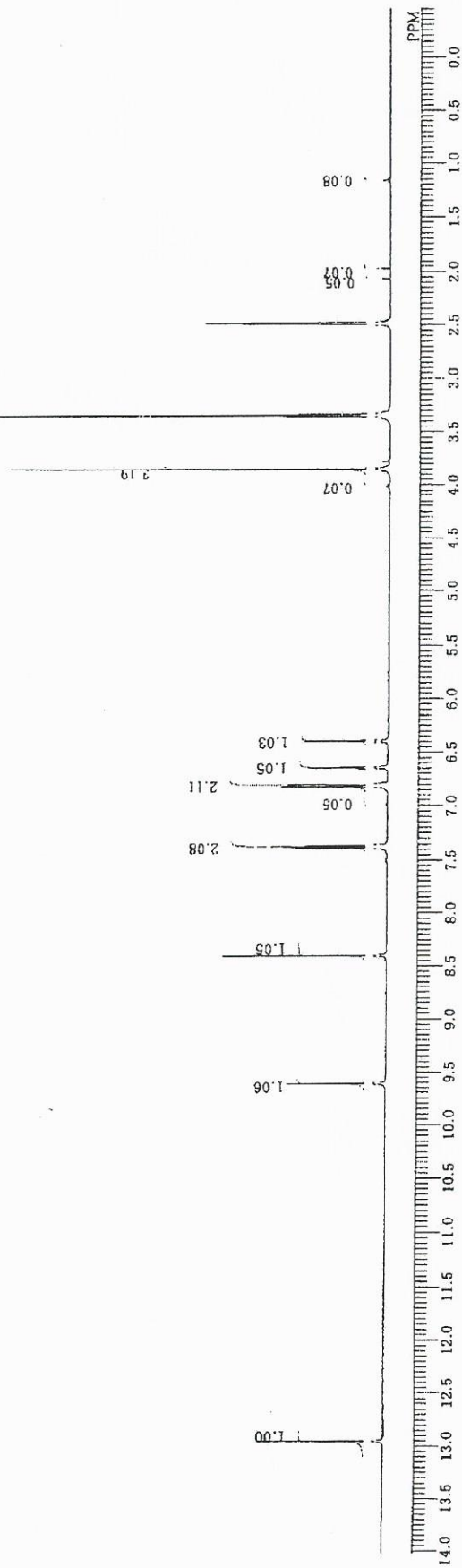
PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Height	Area %
1	13.160	24807	1834	0.043
2	14.307	76342	4804	0.133
3	15.442	56528070	3860179	98.314
4	16.267	187791	11915	0.327
5	17.868	680377	38325	1.183
Total		57497388	3917057	100.000

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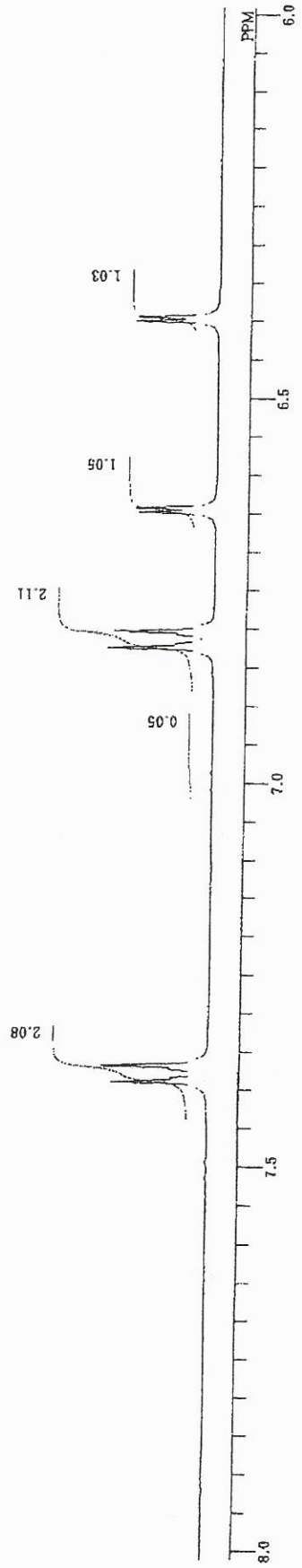


4,5-Dihydroxy-7-methoxy isoflavone  
(Prunetin)



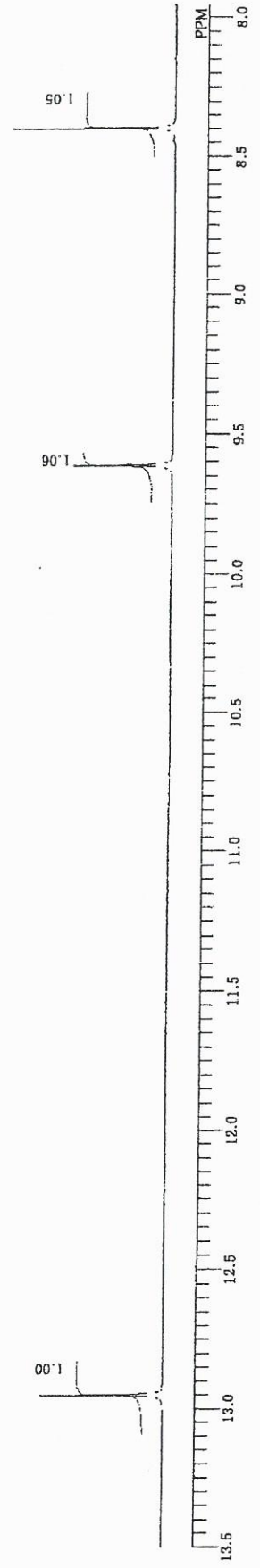
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ISO FLAVANE DMSO-D6

Cat. No.: D-118  
Product: 4,5-Dihydroxy-7-methoxyisoflavone  
(Prunetin)  
Lot No.: 0810059



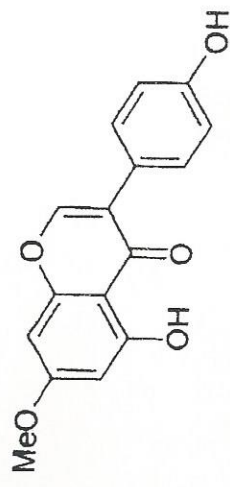
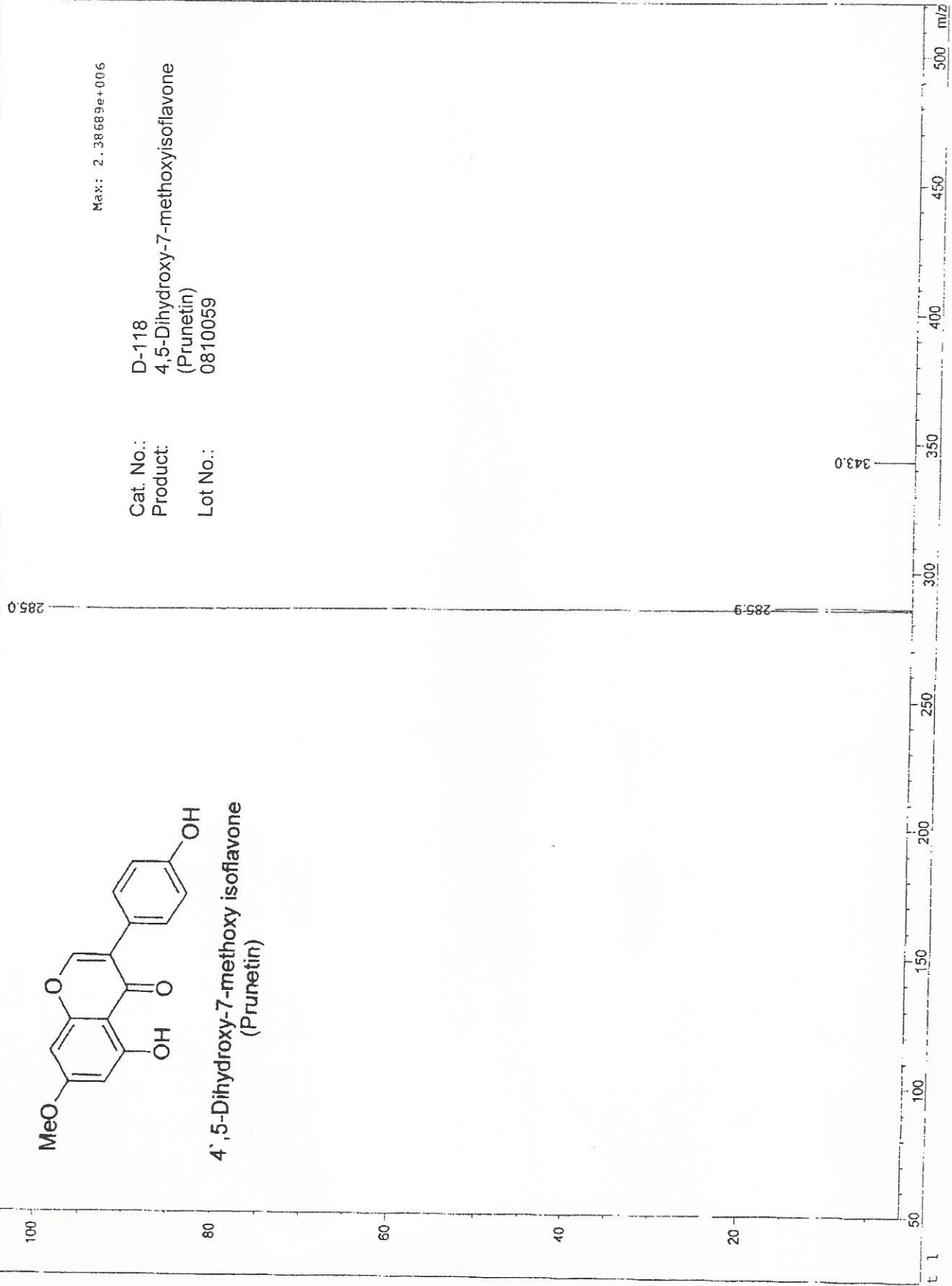
Cat. No.: D-118  
Product: 4,5-Dihydroxy-7-methoxyisoflavone  
(Prunetin)  
Lot No.: 0810059

C:\WINNMR\DATA\SAPALAVISO FLAVANE.als  
ISO FLAVANE DMSO-D6



MS Spectrum

MSD2 SPC, time=0.216:0.470 of C:\CHEM32\1\DATA\OCT-08\07000014.D\_MM-APCI, Scan, Frag: 70, "POS"



4',5-Dihydroxy-7-methoxy isoflavone (Prunetin)

Cat. No.: D-118  
Product: 4,5-Dihydroxy-7-methoxyisoflavone (Prunetin)  
Lot No.: 0810059