



# 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)

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

## CERTIFICATE OF ANALYSIS

Catalog Number:           **020067**

Product Name:           **GALANGIN**  
(3,5,7-Trihydroxyflavone)

Cas Number:             [548-83-4]

Lot Number:              0202043

Chemical Formula:      C<sub>15</sub>H<sub>10</sub>O<sub>5</sub>

Molecular Weight:      270.24

Melting Point:          219-221°C

Appearance:            Dark Cream Powder

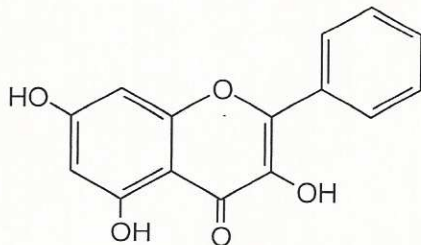
Solubility:              Soluble in DMSO

TLC:                      Chloroform : Methanol (9:1)

NMR Spectrum:         Enclosed (Confirms to the structure)

Storage:                 Cool dry place

Purity (HPLC):          99.82%





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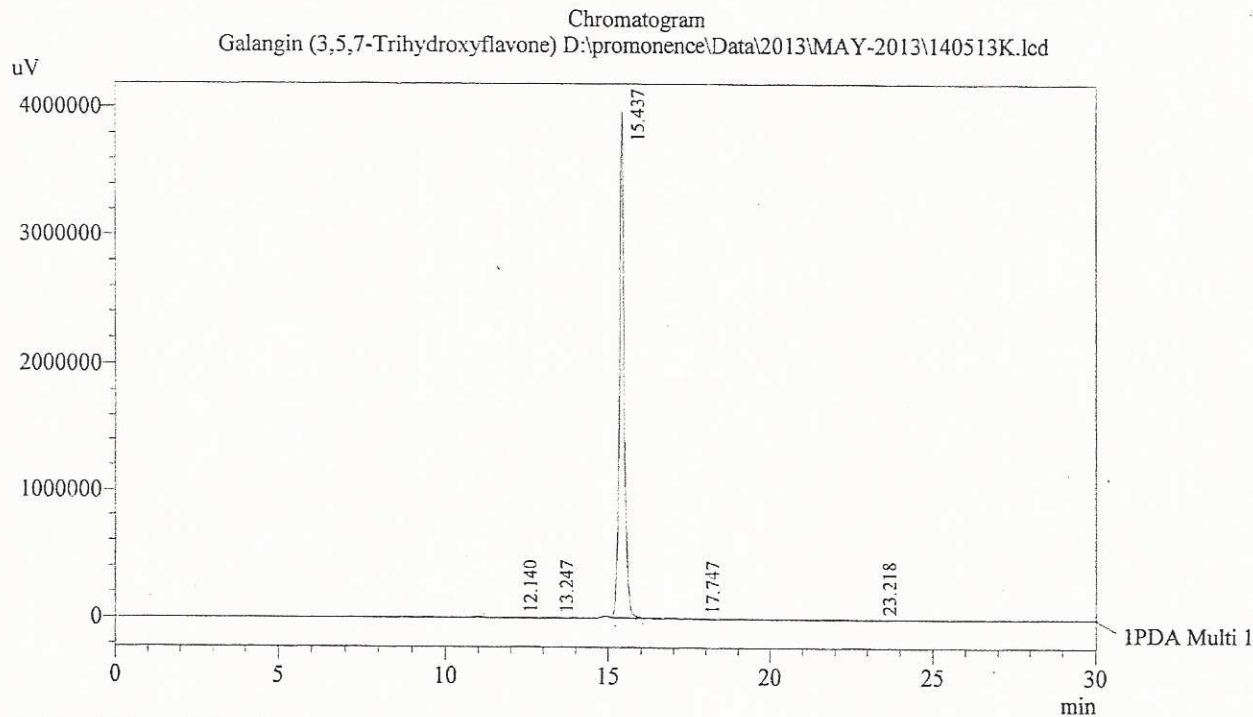
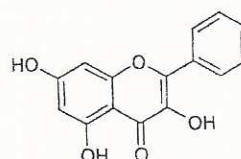
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## HPLC ANALYSIS

Acquired by	: Sanjeev	Catalog No.:	020067
Sample Name	: Galangin (3,5,7-Trihydroxyflavone)	Product name:	Galangin
Sample ID	: Lot No: 0202043		(3,5,7-Trihydroxyflavone)
Injection Volume	: 20 uL	Lot No.:	0202043
Data Filename	: 140513K.lcd		
Method Filename	: Linear Gradient.M.lcm		

Column	: LUNA C-18(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	: Methanol



PeakTable

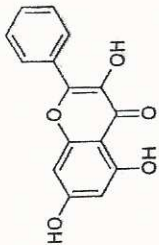
PDA Ch1 260nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.140	12.140	34808	0.09	0.79
2	RT:13.247	13.247	19863	0.05	0.86
3	Galangin	15.437	39579206	99.82	1.00
4	RT:17.747	17.747	8725	0.02	1.15
5	RT:23.218	23.218	7002	0.02	1.50
Total			39649604	100.00	



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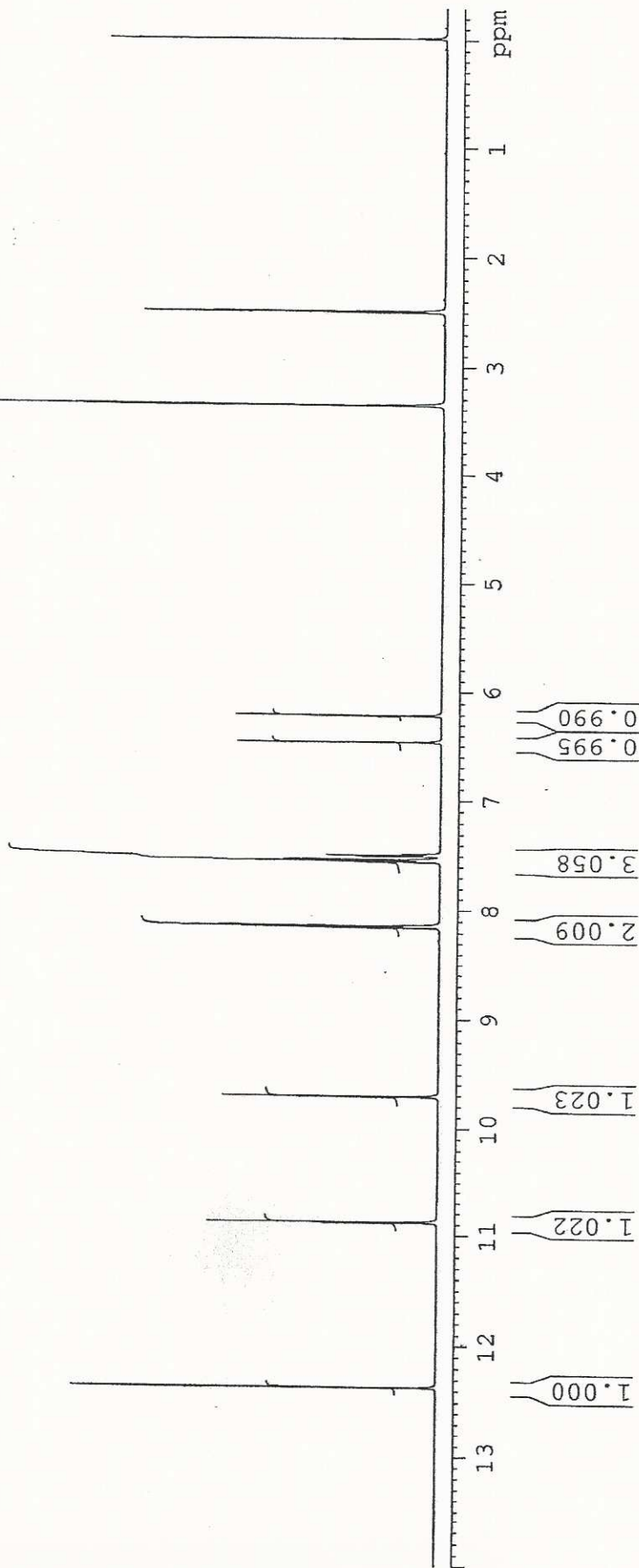
Catalog No.: 020067  
 Product name: Galangin  
 (3,5,7-Trihydroxyflavone)  
 Lot No.: 0202043



SOLVENT DMSO  
 NS 16  
 DS 0  
 SWH 9803.922 Hz  
 FIDRES 0.326819 Hz  
 AQ 1.5299480 sec  
 RG 40.3  
 DW 51.000 usec  
 DE 6.00 usec  
 TE 298.2 K  
 D1 1.50000000 sec  
 TD0 1

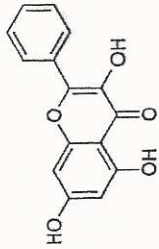
1H IN DMSO  
 AVANCE-600

----- CHANNEL f1 -----  
 NUC1 1H  
 P1 7.50 usec  
 PL1 2.60 dB  
 PL1W 6.62584448 W  
 SF01 600.3345228 MHz  
 SI 22768  
 SF 600.3300108 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00





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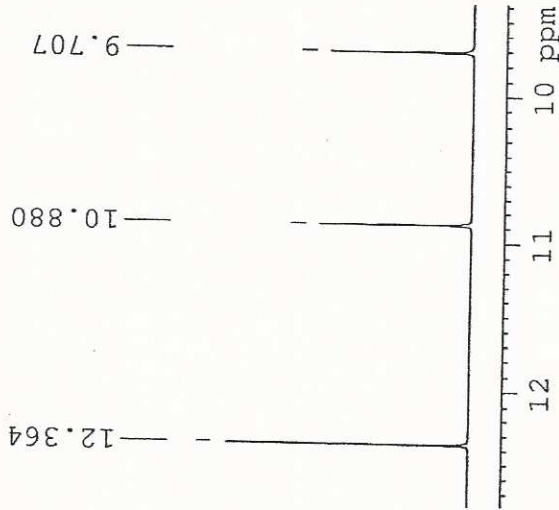
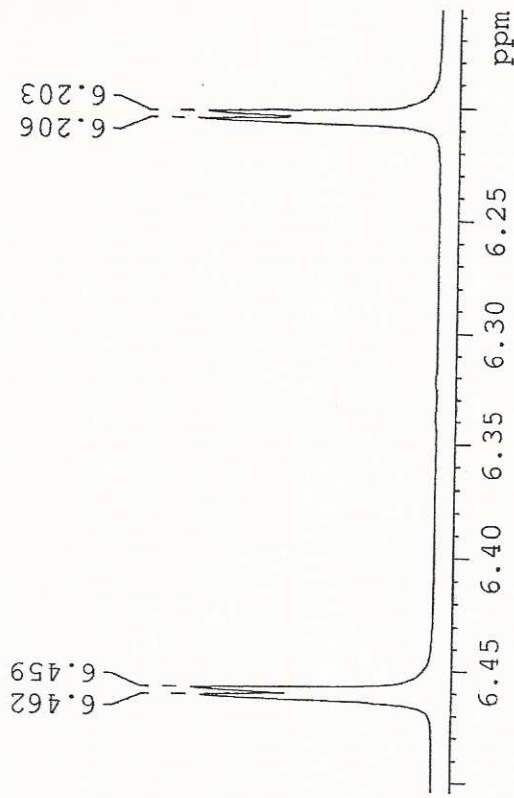


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SF 600.3300108 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00



8.149  
8.136

7.555  
7.543  
7.530  
7.499  
7.487  
7.474

