

**ICG** **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**

**Cat No.: 19-246**

Product: **3(4'-BROMOPHENYL)-7-HYDROXY-4-PHENYLCOUMARIN**

Lot Number: 000232

Chemical Formula:  $C_{21}H_{13}BrO_3$

Molecular Weight: 393.23

Melting Point: >280°C

Appearance: Light yellow powder

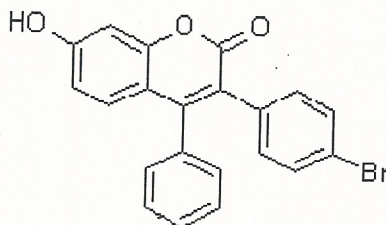
TLC: Hexane: Ethyl acetate (7:3)

Solubility: DMSO

NMR Spectrum: Enclosed

Storage: Cool dry place

Purity:(HPLC) 99.38%



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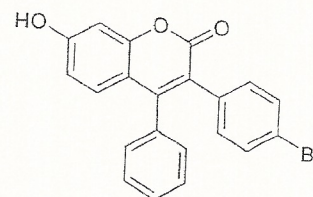
## HPLC ANALYSIS

Catalog no.: 19-246

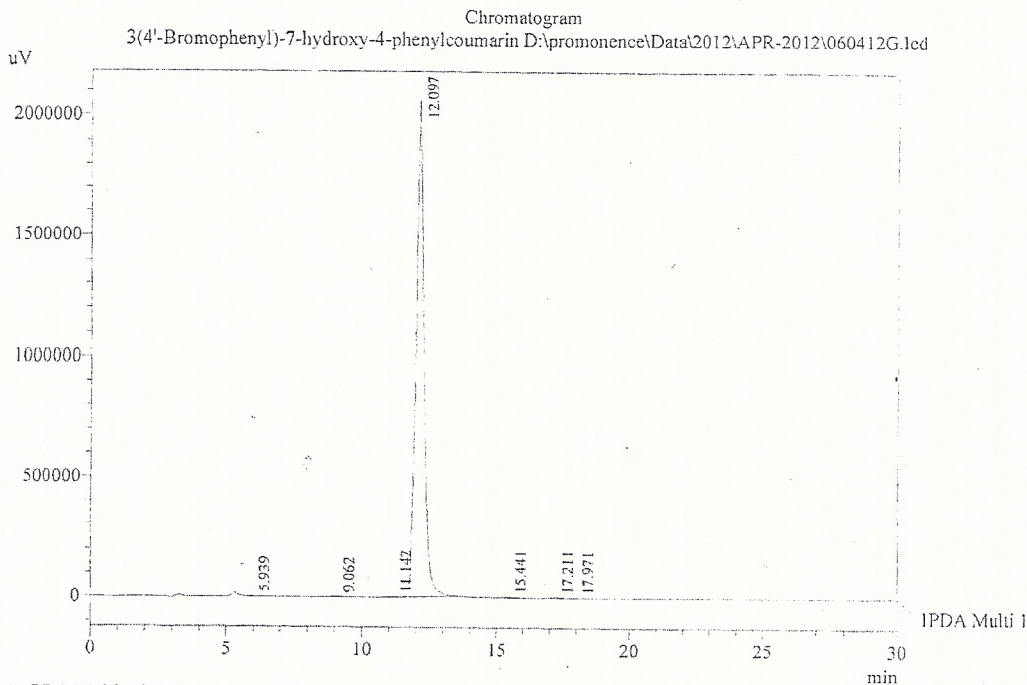
Product name: 3(4'-Bromophenyl)-7-hydroxy-4-phenylcoumarin

Lot No.: 000232

Acquired by : Sanjeev  
Sample Name : 3(4'-Bromophenyl)-7-hydroxy-4-phenylcoumarin  
Sample ID : Lot No:-000232  
Injection Volume : 20 uL  
Data Filename : 060412G.lcd  
Method Filename : Linear Isocratic.M.lcm



Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)  
Flow : 1.000 mL/min.  
Mobile Phase : A(20% of 0.05% TFA in water) B(80% of Methanol)



1 PDA Multi 1 / 210nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:5.939	5.939	20781	0.05	0.49
2	RT:9.062	9.062	53467	0.13	0.75
3	RT:11.142	11.142	35349	0.08	0.92
4	RT:12.097	12.097	42488970	99.38	1.00
5	RT:15.441	15.441	61858	0.14	1.28
6	RT:17.211	17.211	77066	0.18	1.42
7	RT:17.971	17.971	14617	0.03	1.49
Total			42752107	100.00	

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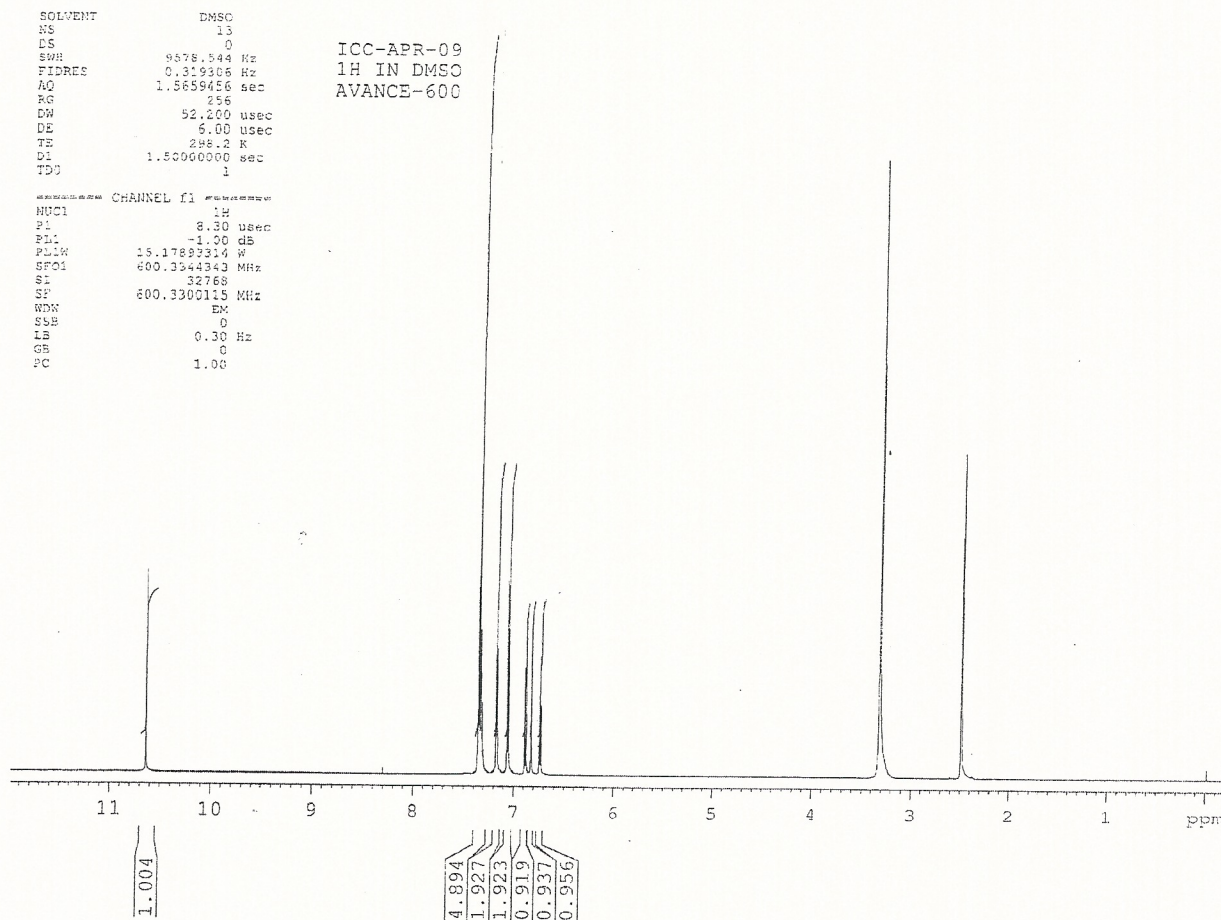
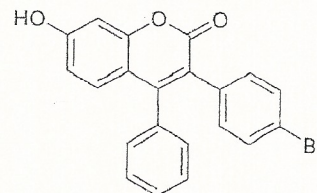
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Catalog no.: 19-246

Product name: 3(4'-Bromophenyl)-7-hydroxy-4-phenylcoumarin

Lot No.: 000232





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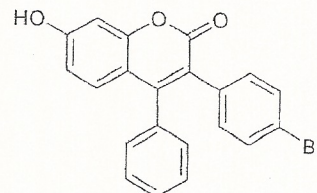
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SOLVENT DMSO  
NS 13  
DS C  
SWH 9578.544 Hz  
FIDRES 0.319306 Hz  
AQ 1.5659456 sec  
RG 256  
EW 52.200 usec  
DE 6.60 usec  
TE 298.2 K  
D1 1.5000000 sec  
TD0 1

ICC-APR-09  
1H IN DMSO  
AVANCE-600

----- CHANNEL f1 -----  
NUC1 1H  
P1 8.30 usec  
PL1 -1.00 dB  
PL1W 15.17893314 W  
SFO1 600.3344343 MHz  
SF 32768  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00

