



# 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.: D-001

Product: **FLAVANONE**  
(2,3-Dihydroflavone)

CAS Number: [487-26-3]

Lot Number: 0309149

Chemical Formula: C<sub>15</sub>H<sub>12</sub>O<sub>2</sub>

Molecular Weight: 224.26

Melting Point: 76-79°C

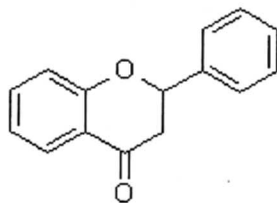
Appearance: White powder

TLC: Hexane:Ethylacetate (7:3)

Solubility: Soluble in Chloroform

Storage: Cool dry place

Purity (HPLC): 99.88%



D-001



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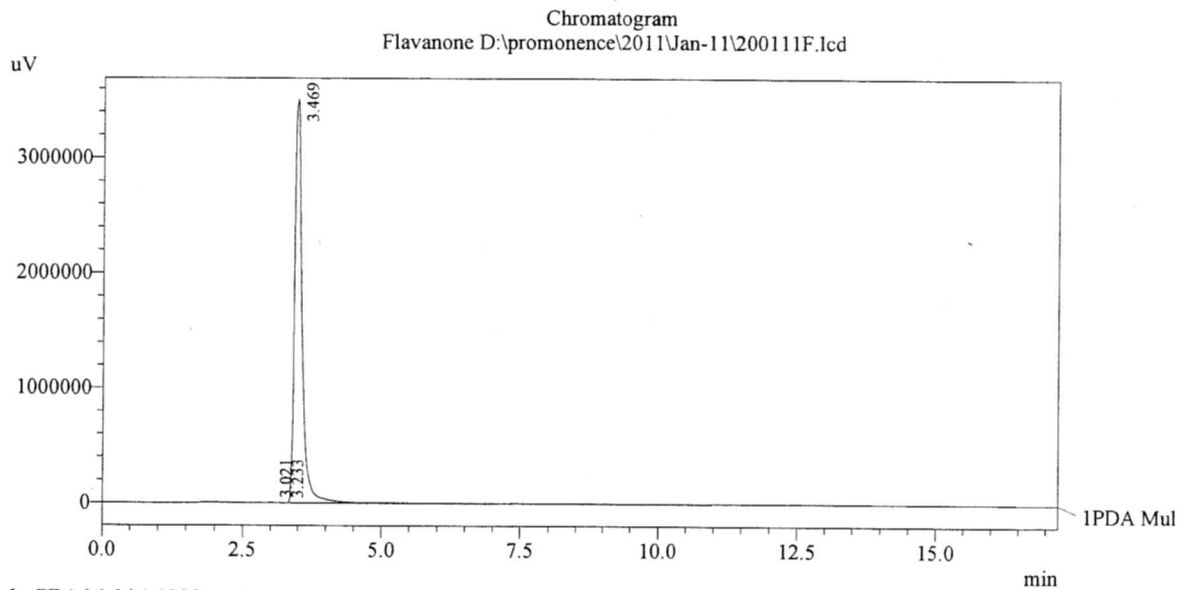
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Date Acquired : 1/20/2011 4:30:13 PM  
Acquired by : Madhuri  
Sample Name : Flavanone  
Sample ID : Lot No:0309149  
Injection Volume : 20 uL  
Data Filename : 200111F.lcd  
Method Filename : Linear Isocratic.M.lcm

Cat. No.: D-001  
Product name: Flavanone  
Lot No.: 0309149

Description:  
Column : Inertsil C-18, 250X4.6mm 5.0µm  
Flow : 1.000ML/min.  
Mobile Phase : A(50% of Methanol) B(50% of ACN)



1 PDA Multi 1 / 220nm 4nm

PeakTable

PDA Ch1 220nm 4nm

Peak#	Ret. Time	Area	Height	Area %
1	3.021	24276	2818	0.073
2	3.233	12565	1728	0.038
3	3.469	33251949	3501171	99.889
Total		33288791	3505716	100.000



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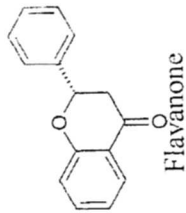
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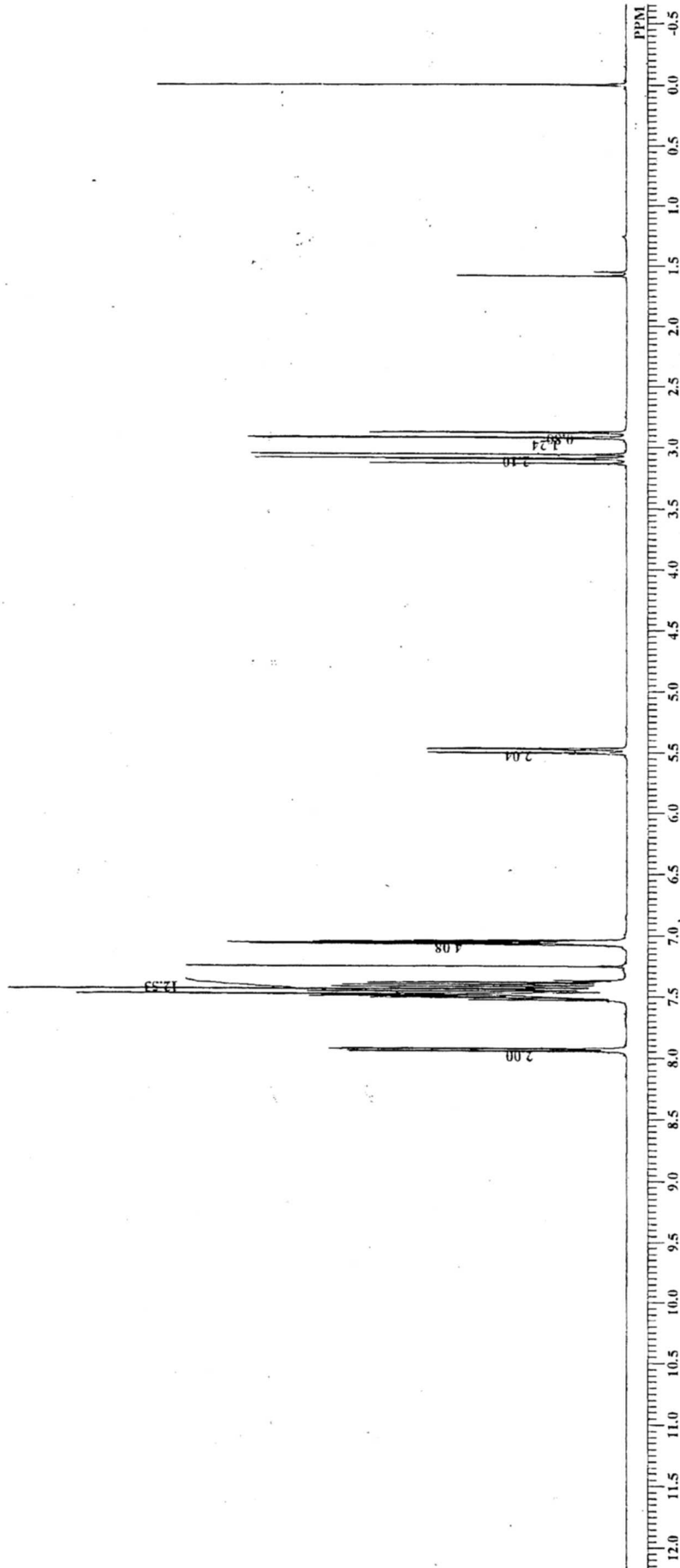
FLV 1H NMR CDCl3

Cat. No.: D-001

Product name: Flavanone

Lot No.: 0309149

DELLE FLV.als  
 COMINT FLV 1H NMR CD  
 DATIM Tue Jan 11 18:33:59  
 OBNUC H1  
 EXMOD NON  
 OBFRO 399.65 MHz  
 OBSET 124.00 KHz  
 OBFVN 10500.00 Hz  
 POINT 65536  
 FREQU 7992.01 Hz  
 SCANS 8  
 ACQTM 8.2002 sec  
 PD 3.0000 sec  
 PW1 5.60 usec  
 IRNUC H1  
 CTEMP 23.6 c  
 CDCL3  
 SLVNT  
 EXREF 0.00 ppm  
 BF 0.30 Hz  
 RGAIN 17





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2063

DFILE: FLV.als  
COMNT: FLV 1H NMR CD  
DATIM: Tue Jan 11 18:33:5  
OBNUC: 1H  
EXMOD: NON  
OBFRO: 399.65 MHz  
OBSET: 124.00 KHz  
OBFIN: 10500.00 Hz  
POINT: 65536  
FREQU: 7992.01 Hz  
SCANS: 8  
ACQTM: 8.2002 sec  
PD: 3.0000 sec  
PWI: 5.60 usec  
IRNUC: 1H  
CTEMP: 23.6 c  
SLVNT: CDCL3  
EXREF: 0.00 ppm  
BF: 0.30 Hz  
RGAIN: 17

FLV 1H NMR CDC13  
Cat. No.: D-001  
Product name: Flavanone  
Lot No.: 0309149

