



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

Catalog Number: 19-181

Product Name: **8-BROMO-6-CHLORO-3-FORMYLCHROMONE**

Lot Number: 99206

Chemical Formula: C₁₀H₄BrClO₃

Molecular Weight: 287.49

Melting Point: 170-171°C

Appearance: Pale cream powder

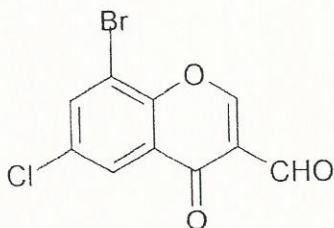
Solubility: Soluble in Chloroform

TLC: n-Hexane : Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Conform to the structure)

Storage: Cool dry place

Purity (HPLC): 99.32%





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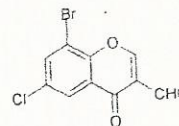
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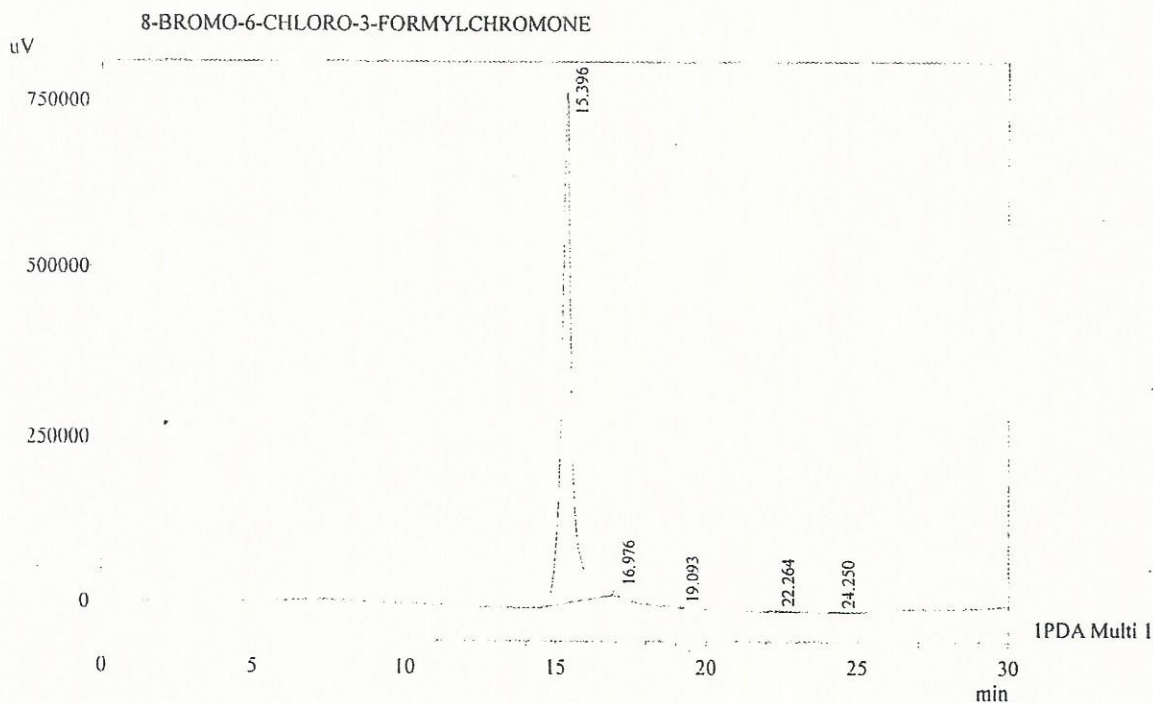
HPLC ANALYSIS

Acquired by : Admin
 Sample Name : 8-BROMO-6-CHLORO-3-FORMYLCHROMONE
 Sample ID : Lot No: 99026
 Injection Volume : 1 uL
 Data Filename : 090916L.lcd
 Method Filename : Linear Gradient.M.lcm
 Report Filename : Default.lcr

Catalog No.: 19-181
 Product Name: 8-Bromo-6-chloro-3-formyl chromone
 Lot No.: 99206



Column : Gemini 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 Acetonitrile)



I PDA Multi I / 230nm 4nm

PeakTable

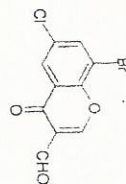
PDA Ch I 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:15.396	15.396	17519249	99.32	0.00
2	RT:16.976	16.976	70741	0.40	0.00
3	RT:19.093	19.093	713	0.00	0.00
4	RT:22.264	22.264	40644	0.23	0.00
5	RT:24.250	24.250	7831	0.04	0.00
Total			17639178	100.00	



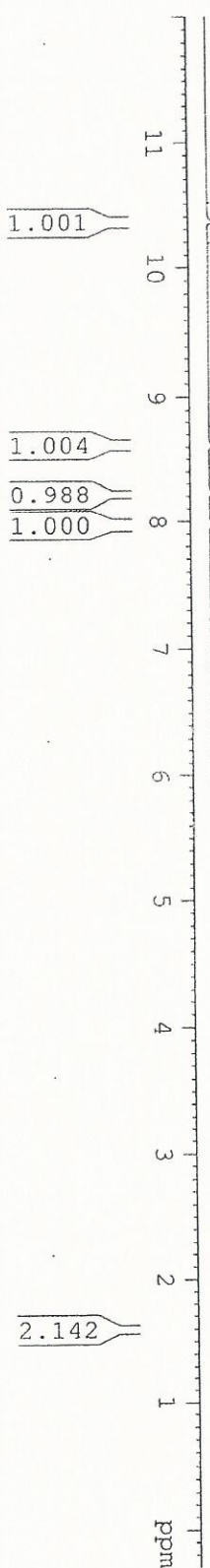
INDOFINE Chemical Company, Inc.
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

Catalog No.: 19-181
Product Name: 8-Bromo-6-chloro-3-formyl chromone
Lot No.: 99206



SOLVENT CDCl₃ 1H CDCl₃
NS 0 600 MHz
DS 10245.301 Hz
SWH 0.242277 Hz
FIDRES 2.0638022 sec
AQ 57
RG 48.600 usec
DW 5.00 usec
DE 296.2 K
TE 1.50000000 sec
D1 1
ID0 1

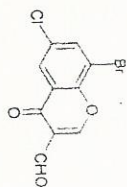
***** CHANNEL #1 *****
NUC1 1H
P1 7.50 usec
PL1 2.50 dB
PL1W 6.62584448 W
SFO1 500.3344674 MHz
SI 32768
SF 500.3300119 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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CHANNEL F1

SOLVENT	CDCl3
NS	8
D9	0
SWH	10245.901 Hz
FIDRES	0.232277 Hz
AQ	2.0638620 sec
RG	157
DM	48.600 usec
DE	6.00 usec
TE	298.2 K
Q1	1.50000000 sec
TDO	1

===== CHANNEL F1 =====

NUC1	1H
PI	7.59 usec
PUL	2.60 dB
PLW	5.62584448 W
SECT	600.3244674 MHz
SI	32768
SF	600.3300119 MHz
MCW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

1H CDCl3
 600 MHz

