



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: B-002

Product: **5,6-BENZOFLAVONE**
(β -Naphthoflavone)

CAS Number: [6051-87-2]

Lot Number: 2508194

Chemical Formula: $C_{19}H_{12}O_2$

Molecular Weight: 272.30

Melting Point: 162-164°C

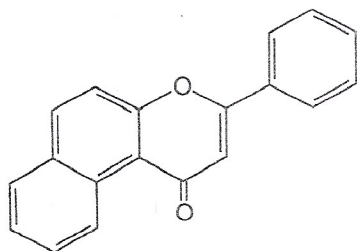
Appearance: White powder

Solubility: Soluble in chloroform, DMSO

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity (HPLC): 99.39%



Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and Approved by:
Sujata Moton
Sujata Moton
VP



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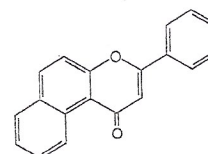
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HPLC ANALYSIS

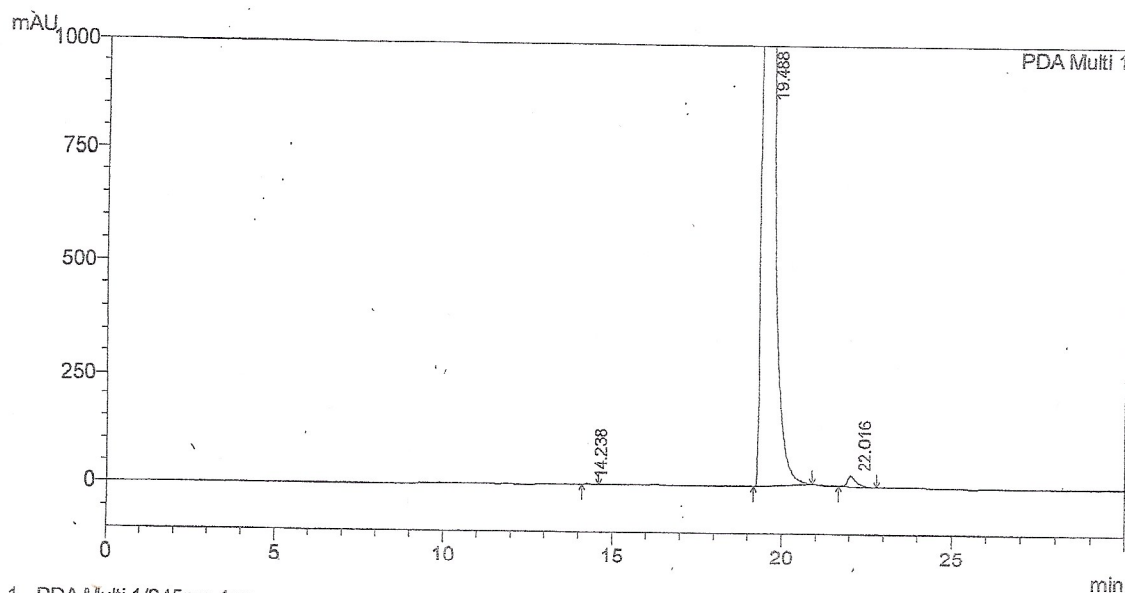
Sample ID :
Tray# : 1
Vial # : 6
Injection Volume : 20 µL
Data File Name : 28072025350.lcd
Method File Name : General Method.lcm

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Lot No.: 2508194



Column: Inertsil ODS-3 : 150 x 4.6mm, 5µm
Flow Rate: 1.0 ml/min
MP-A: 0.1% OPA in water : MP-B: Acetonitrile
Gradient Program: 0.01/10,12/90,20/90,23/10,35/10 (% of B Conc)
Diluent: Methanol

<Chromatogram>



1 PDA Multi 1/245nm 4nm

PeakTable

PDA Ch1 245nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:14.238	14.238	34518	0.05	0.731
2	RT:19.488	19.488	75562474	99.39	1.000
3	RT:22.016	22.016	425507	0.56	1.130
Total			76022499	100.00	

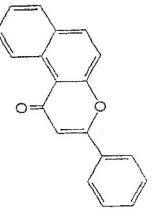
Prepared by:
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HILLSBOROUGH, NJ 08844

¹H in CDCl₃

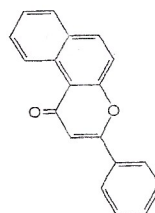


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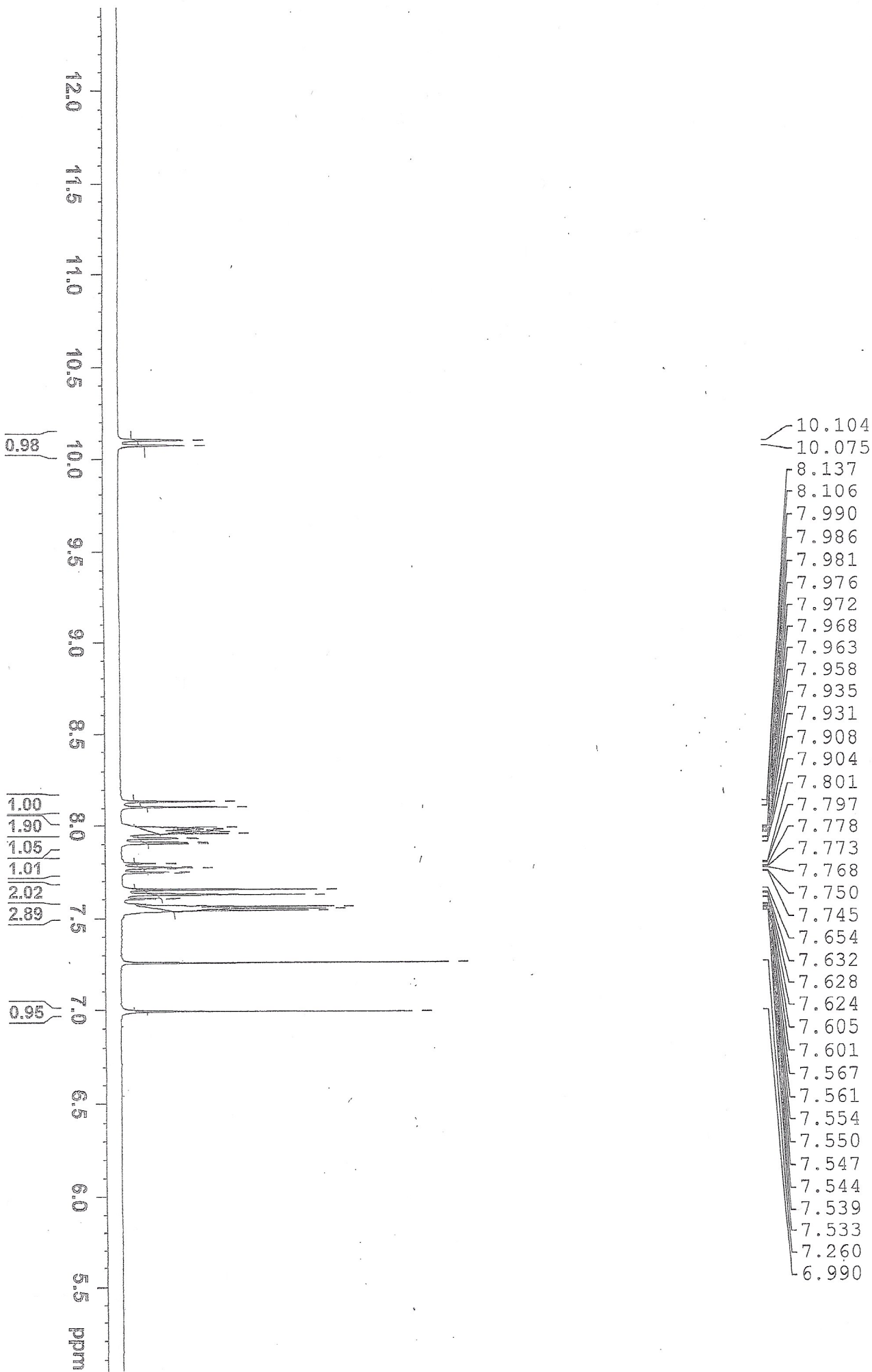
Current Data Parameters: 5,6-BF-072025
NAME: 5,6-BF-072025
PROBHD: 1
F2 - Acquisition Parameters
Date: 2025/07/29
Time: 13:22 h
INSTRUM: JNM-FX400
PROBHD: 21042712_C439 (PA 300 3000) BBT-0-05 (1)
PULPROG: zgpg30
FIDRES: 4.000
SOLVENT: CDCl₃
NS: 16
DS: 16
SWH: 5062.353 Hz
F2 - Processing parameters
RG: 3275.500 Hz
DE: 80.000 usec
TE: 298.2 K
FIDRES: 1.00000000 sec
SOL: 300.3015944 MHz
PUL: 4.00 usec
PC: 14.00 usec
TMR: 9.37950000 s
F2 - Processing parameters
SI: 300.3005975 MHz
WDW: EM
SSB: 0
GB: 0
PC: 1.00



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