



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: M-002

Product Number: **MANGOSTINE**

CAS Number: [6147-11-1]

Lot Number: 1108155

Source: Garcinia mangostana fruit rind

Chemical Formula: $C_{24}H_{26}O_6$

Molecular Weight: 410.47

Melting Point: 180-182°C

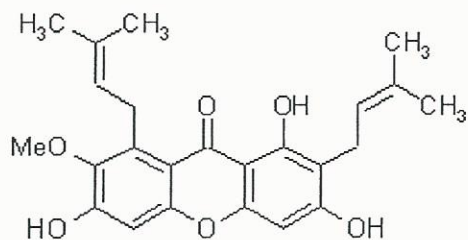
Appearance: Yellow powder

Solubility: Soluble in DMSO

TLC: Chloroform:Methanol (9:1)

Storage: Store in a cool, dry place

Purity(HPLC): 99.41%





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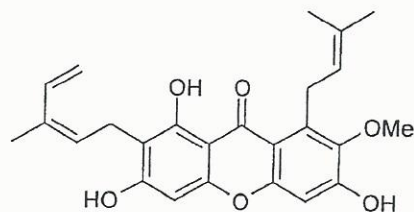
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

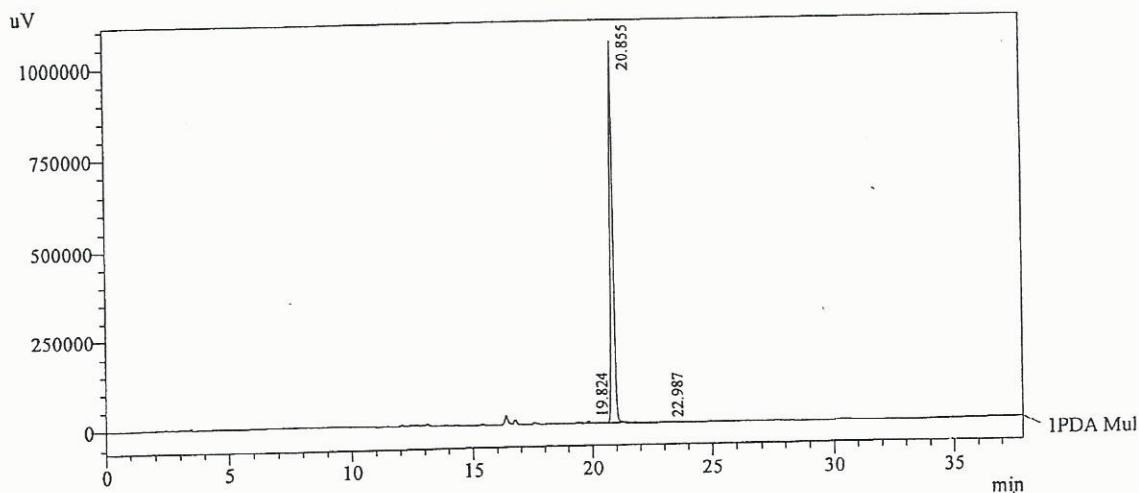
Acquired by : Madhuri
Sample Name : Mangostin
Sample ID :
Injection Volume : 20 uL
Data Filename : 180511H.lcd
Method Filename : Linear Gradient.M.lcm

Cat. No.: M-002
Product name: Mangostine
Lot No.: 1108155

Description:
Column : Phenomenex C-18, 250X4.6mm 5.0µm
Flow : 1.000ML/min.
Mobile Phase : A(0.05% TFA in Water) B(ACN)
0.01 90 10
12.0 10 90
25.0 10 90
28.0 90 10



Chromatogram



PeakTable

PDA Ch1 240nm 4nm

Peak#	Ret. Time	Area	Height	Area %
1	19.824	38280	5243	0.424
2	20.855	8973249	1052340	99.414
3	22.987	14632	1392	0.162
Total		9026160	1058976	100.000

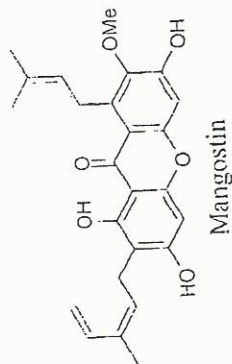


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121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

MCS-7 1H NMR DMSO-D6

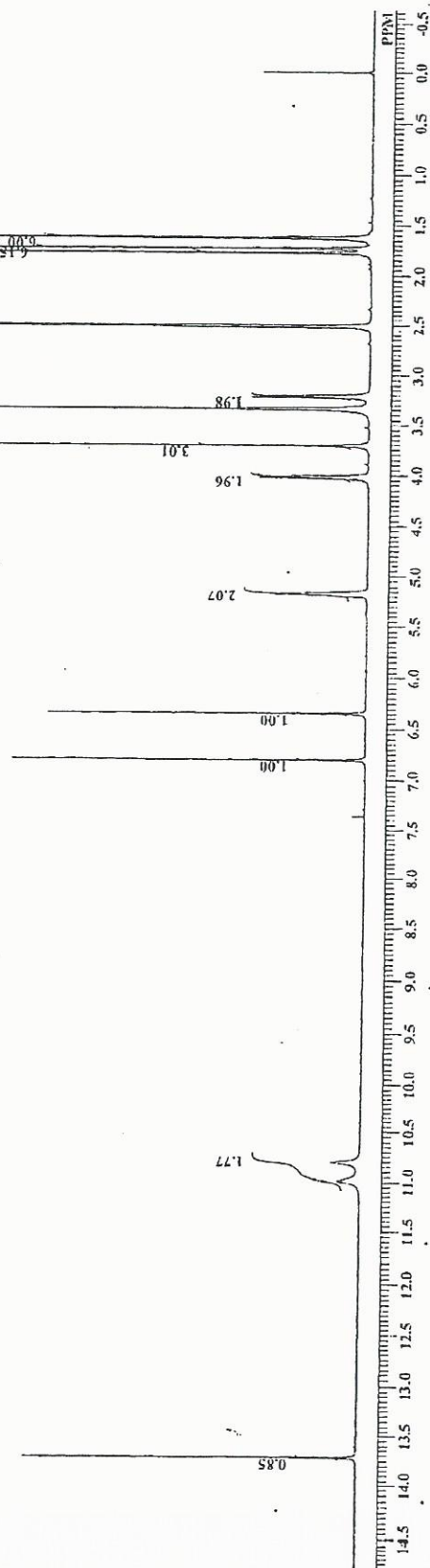
Cat. No.: M-002
Product name: Mangostin
Lot No.: 1108155



Mangostin

DFILF MCS-7.als
COMINT MCS-7 1H NMR DMSO

OBNUC IH
EXMOD NON
OBPRQ 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
PW1 5.60 usec
IRNUC 1H
CTEMP 24.3 c
SLYNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 18



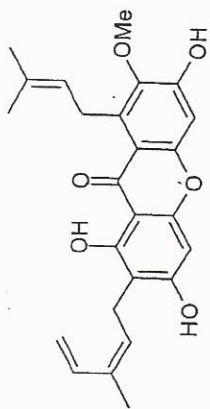


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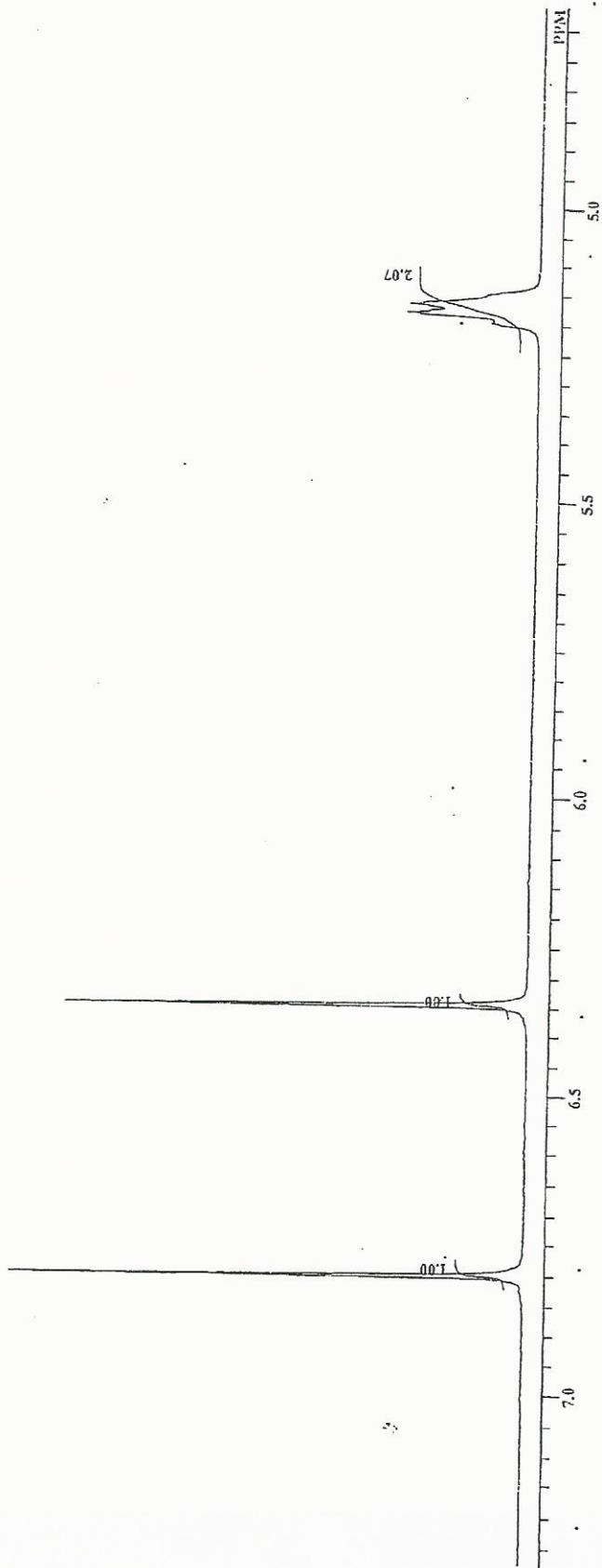
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

MGS-7 1H NMR DMSO-D6

Cat. No.: M-002
Product name: Mangostine
Lot No.: 1108155



DFILE MGS-7ads
COMINT MGS-7 1H NMR DMSO
OBNUC III
EXMOD NON
OUPRQ 399.65 MHz
OBSF 124.00 KHz
OBFIN 10500.00 Hz
POINT 6553.6
FREQU 7992.01 Hz
SCANS 8
ACQTM 8.2002 sec
PD 3.0000 sec
PVI 5.60 msec
IRNUC 1H
CTEMP 24.3 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 18

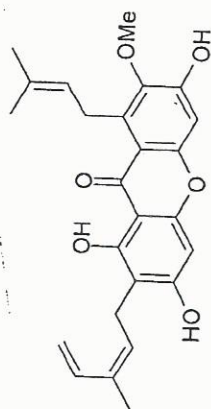




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MGS-7 1H NMR DMSO-D6

Cat. No.: M-002
Product name: Mangostine
Lot No.: 1108155



DFILE MGS-7.a1s
COMNT MGS-7 1H NMR DMSO
OBNUC 1H
EXMOD NON
OBFRQ 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
PW1 5.60 usec
IRNUC 1H
CTEMP 24.3 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 18

