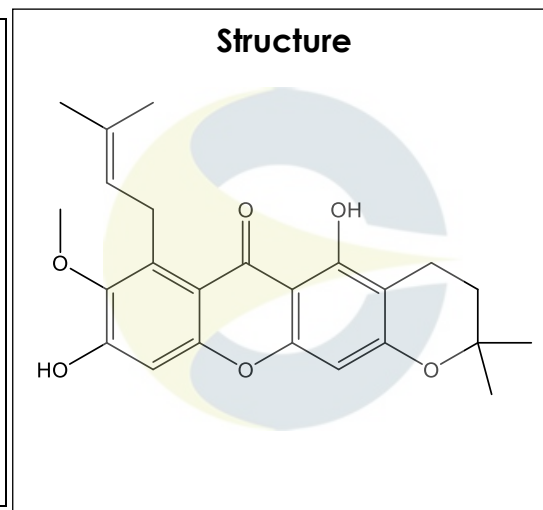


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PRODUCT NAME	3-Isomangostin
PART NUMBER	00009310
STANDARD TYPE	Primary (P)
LOT NUMBER	00009310-621
REPORT NUMBER	CDXA-RSS-7058-01
SAMPLE NUMBER	CDXA-16-002464
DATE OF SAMPLE	02/26/2016
DATE OF RE-EVALUATION	02/02/2021
DATE OF REPORT	02/16/2021



CHEMICAL NAMES	3,4-Dihydro-5,9-dihydroxy-8-methoxy-2,2-dimethyl-7-(3-methyl-2-butenyl)-2H,6H-pyrano[3,2-b]xanthen-6-one
CHEMICAL FORMULA	C ₂₄ H ₂₆ O ₆
MOLECULAR WEIGHT (MW)	410.46
CHEMICAL FAMILY	Xanthenes
CAS NUMBER	[19275-46-8]
EC#(EINECS)	683-185-6
RTECS	N/A

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	95.1%
HPLC	0.700.10.2.METH22	≥ 90%	96.2%
NMR	99.1-CD-1.0-000122	Conforms to structure	Conforms to structure
Mass Spectrum	Direct Infusion: ESI (+)	Conforms	Conforms
Residual Solvent	99.1-CD-9.0-000115	NA	EtOAc – 0.8 %; MeOAc – 0.1 % MTBE – 0.1%; 1,1,1-TCE – 0.1 %
Water	0.700.12.37	NA	ND
Appearance	NA	NA	Tan powder

ADJUSTED PURITY: 95.1% IS BASED ON (100 - 1.1 SOLVENTS - 0.0 WATER) X 96.2% HPLC

STORAGE CONDITIONS

STORAGE	Room Temperature in a dry place.
EXPIRATION DATE	02/2026 under the above conditions.



Digitally signed by
Elizabeth Hughes
 Date: 2021.02.16
 11:49:18 -07'00'

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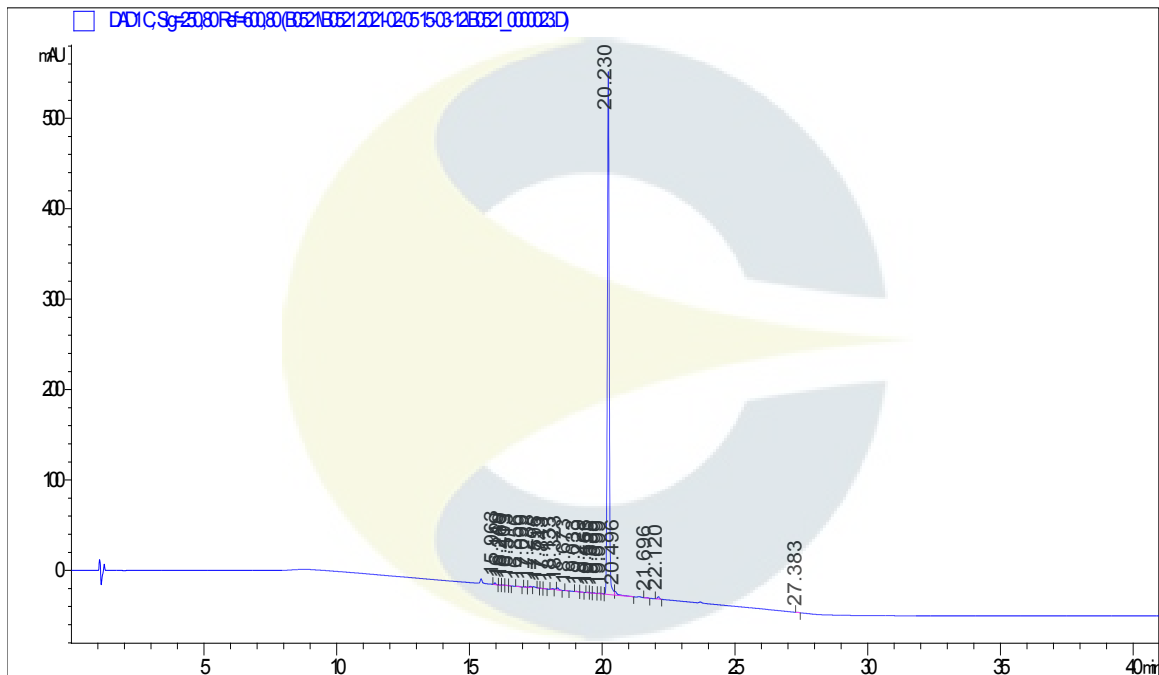
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AGILENT 6510 QTOF
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
MOBILE PHASE	A - 0.1% Trifluoroacetic acid in Ultrapure water, B - Acetonitrile; Isocratic 5% B for 5 minutes, then increasing to 95% B over 20 minutes. Hold at 95% B for 15 minutes.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	0.4 µL
INJECTION CONC.	1.0 mg/mL in Methanol
DETECTION	250 ± 40 nm

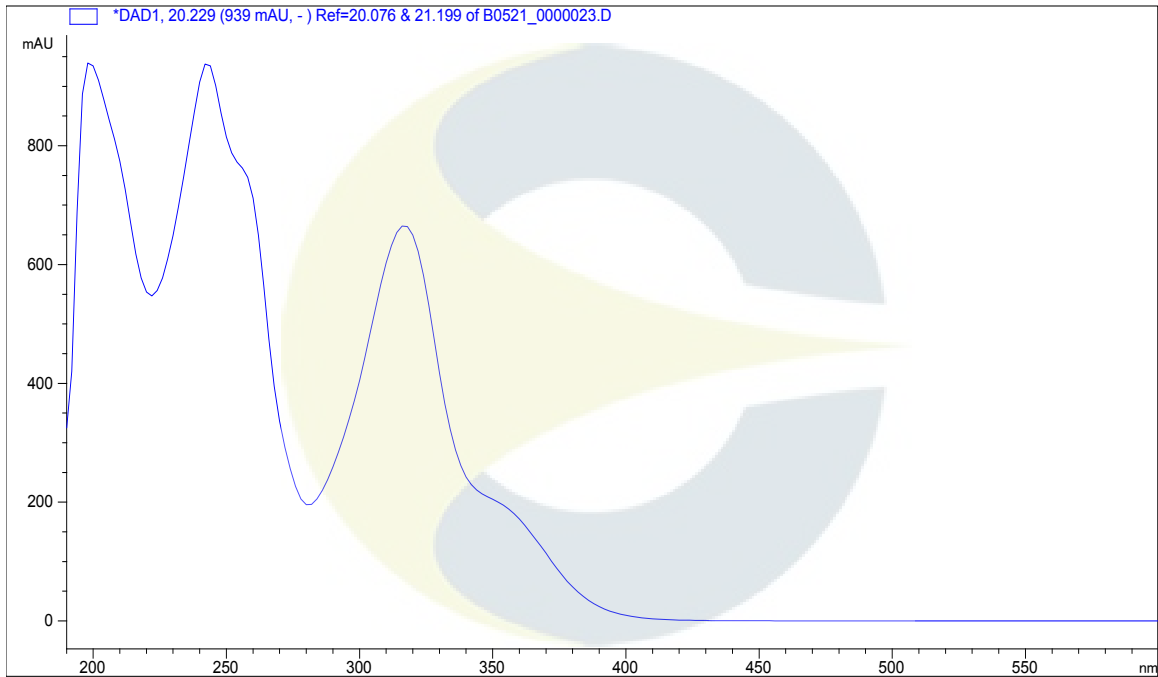
HPLC CHROMATOGRAM OF 3-ISOMANGOSTIN (CDXA-16-002464)



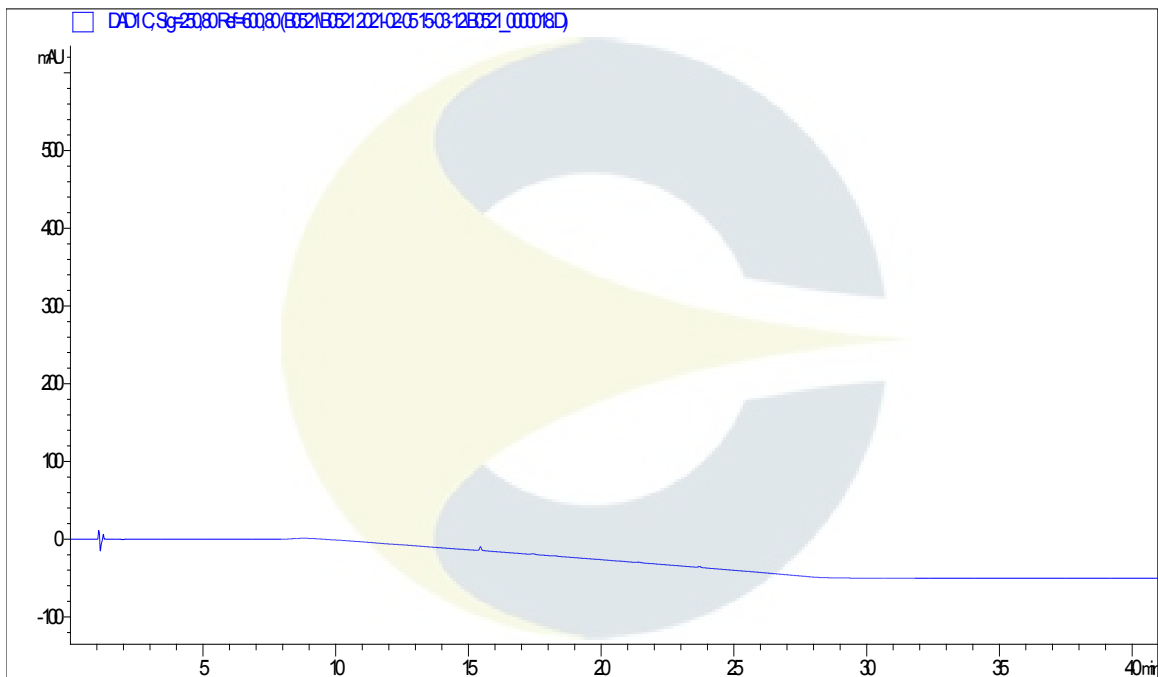
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UV SPECTRUM AT 20.2 MINUTES



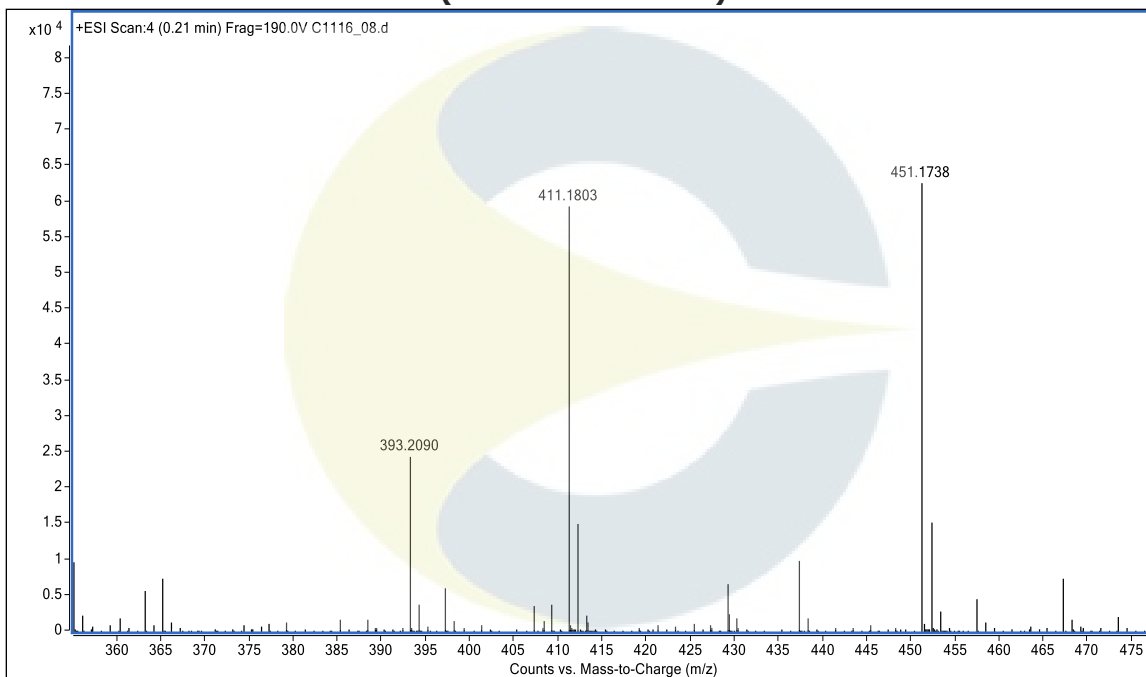
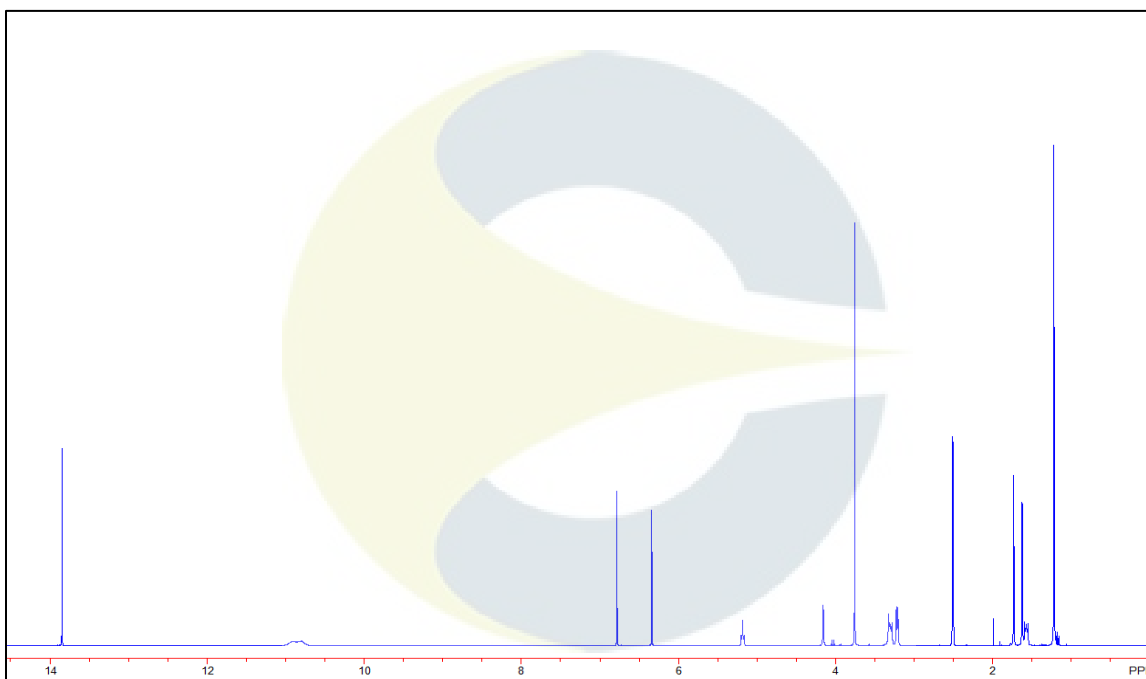
HPLC CHROMATOGRAM OF DILUENT BLANK



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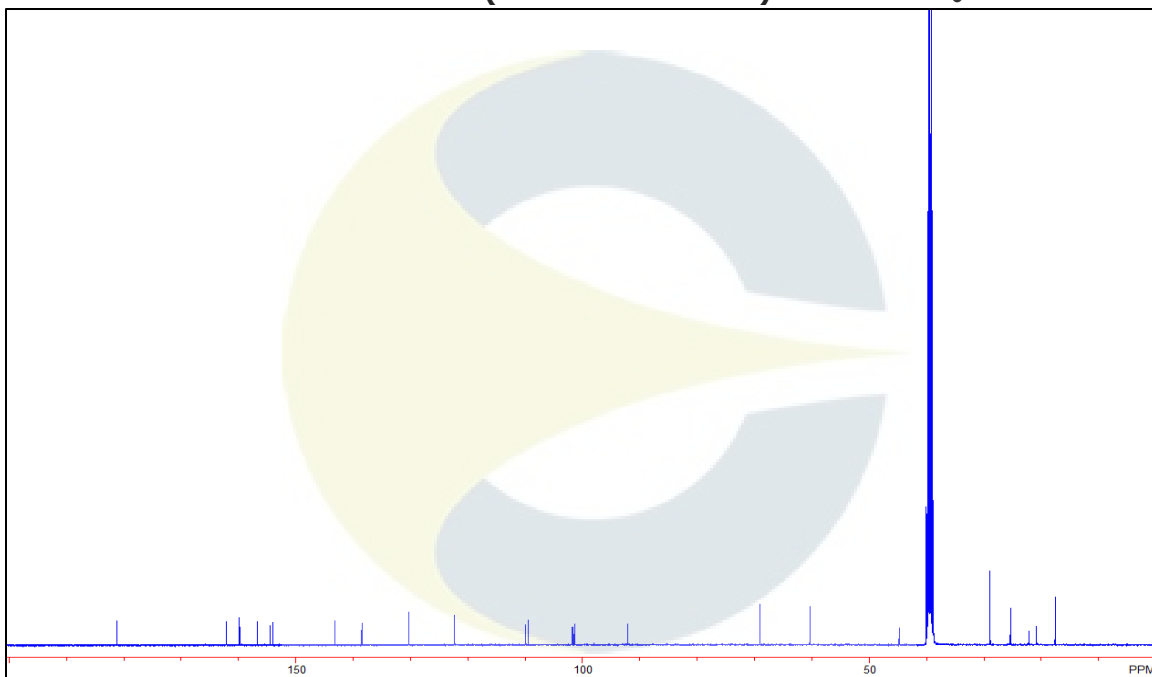
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 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

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MASS SPECTRUM OF 3-ISOMANGOSTIN (CDXA-16-002464)

¹H-NMR SPECTRUM OF 3-ISOMANGOSTIN (CDXA-16-002464) IN DMSO-d₆


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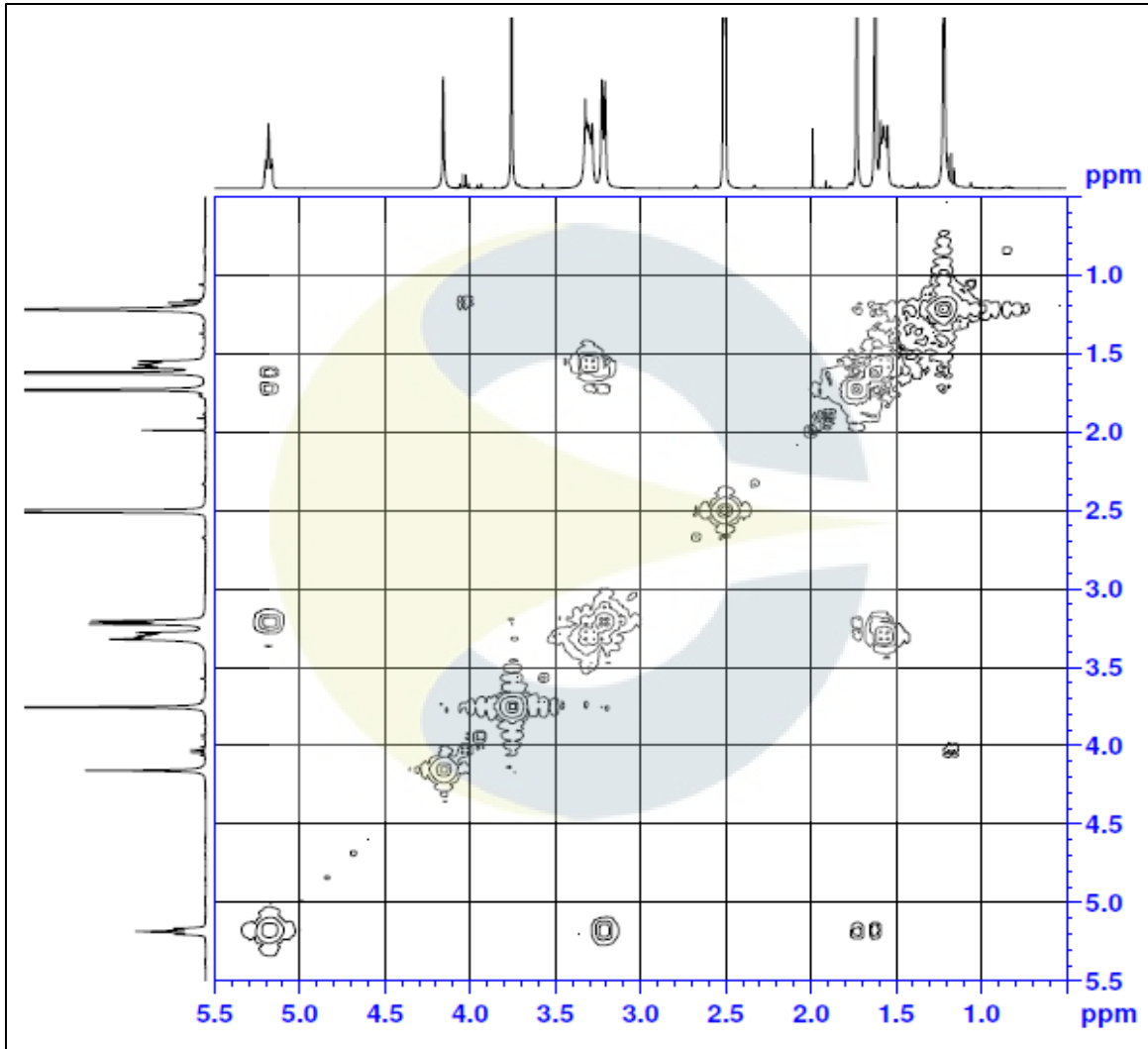
¹³C-NMR SPECTRUM OF 3-ISOMANGOSTIN (CDXA-16-002464) IN DMSO-d₆



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COSY-NMR SPECTRUM OF 3-ISOMANGOSTIN (CDXA-16-002464) IN DMSO-*d*₆

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	03/16/2016	New report
01	02/16/2021	Material passed reevaluation by HPLC and KF. Updated analytical results, analytical conditions, chromatograms, and expiration date. Added EINECS and removed melting point.

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