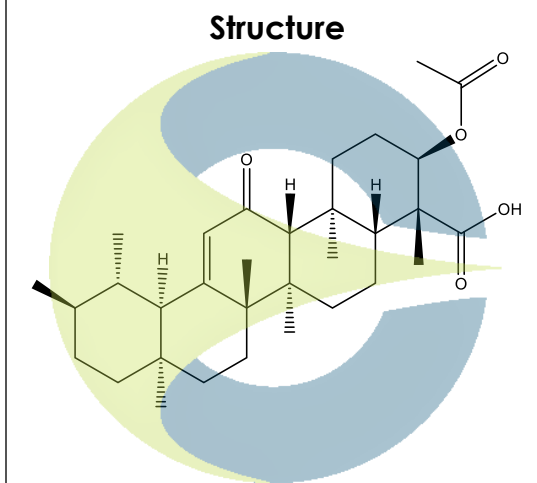


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PRODUCT NAME	3-Acetyl-11-keto-B-Boswellic acid	 <p>Structure</p>
PART NUMBER	00002570	
STANDARD TYPE	Primary (P)	
LOT NUMBER	00002570-31C	
REPORT NUMBER	CDXA-RSS-8879-01	
SAMPLE NUMBER	CDXP-20-00162	
DATE OF SAMPLE	03/23/2020	
DATE OF RE-EVALUATION	07/26/2022	
DATE OF REPORT	08/08/2022	

CHEMICAL NAMES	(3 α ,4 β)-3-(Acetyloxy)-11-oxo-urs-12-en-23-oic acid, AKBA, Acetyl keto- β -boswellic acid
CHEMICAL FORMULA	C ₃₂ H ₄₈ O ₅
MOLECULAR WEIGHT (MW)	512.72
CHEMICAL FAMILY	Triterpenes
CAS NUMBER	[67416-61-9]
EC#(EINECS)	614-060-6
RTECS	NA

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	99.6%
HPLC	0.700.10.2.METH22	≥ 90%	99.6%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	ND
Water	0.700.12.37	NA	ND
Appearance	NA	NA	Off white powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 99.6% IS BASED ON (100 - 0.0 SOLVENTS - 0.0 WATER) X 99.6% HPLC

STORAGE CONDITIONS

STORAGE	-20 °C in a dry place.
EXPIRATION DATE	07/2027 under the above conditions.

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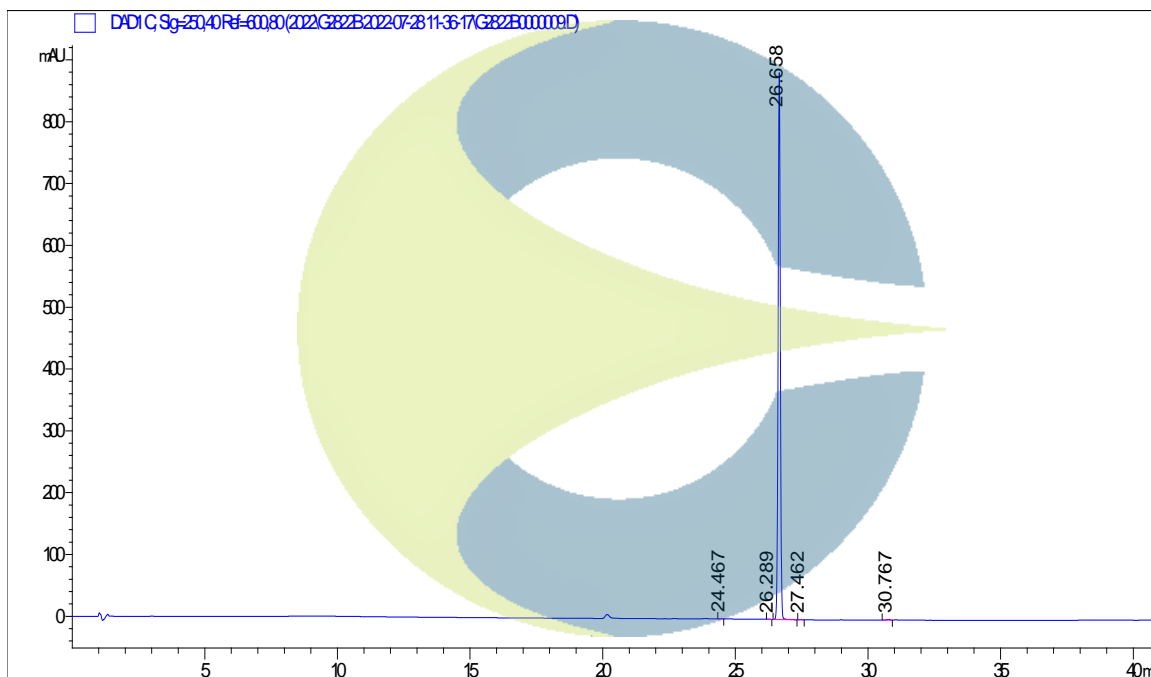
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
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, then decreasing to 5% B over 1 minute.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	2.0 µL
INJECTION CONC.	1.0 mg/mL in Methanol
DETECTION	250 ± 20 nm

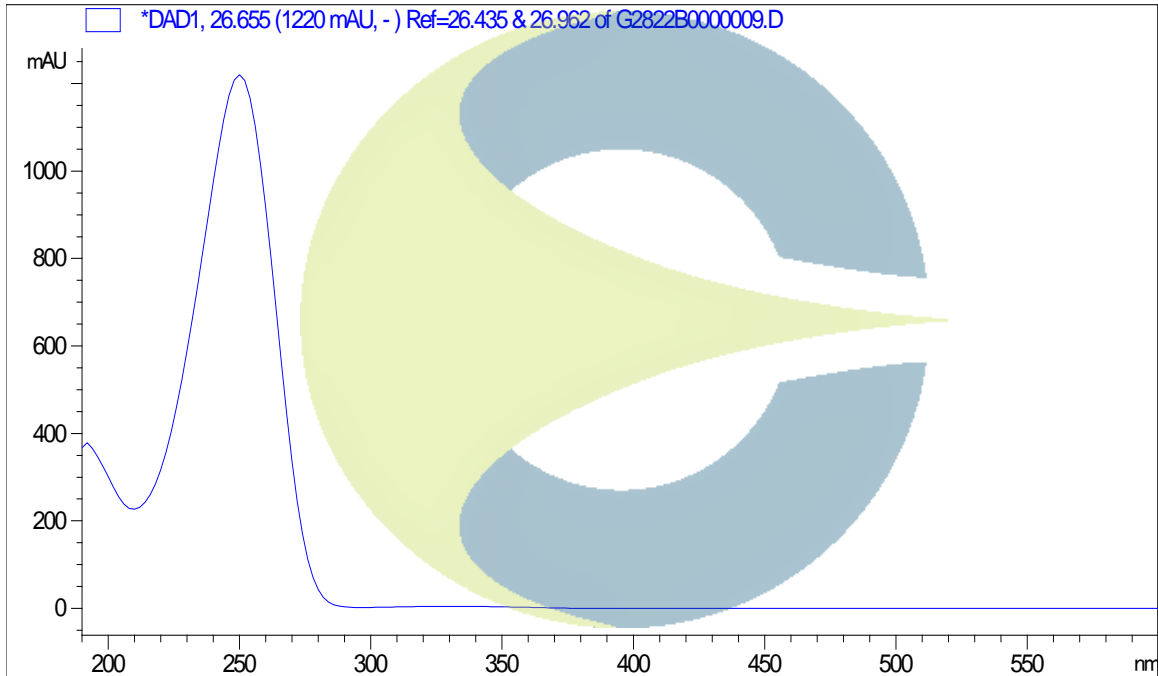
HPLC CHROMATOGRAM OF 3-ACETYL-11-KETO-B-BOSWELLIC ACID (CDXP-20-00162)



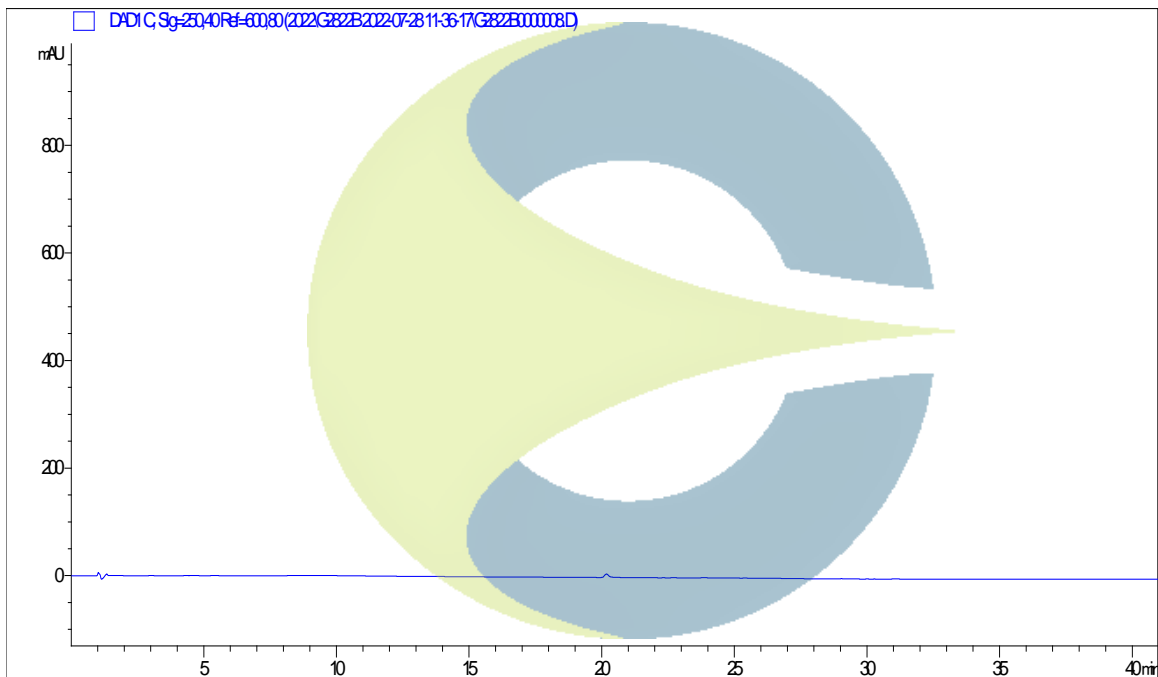
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UV SPECTRUM AT RT = 26.7 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK

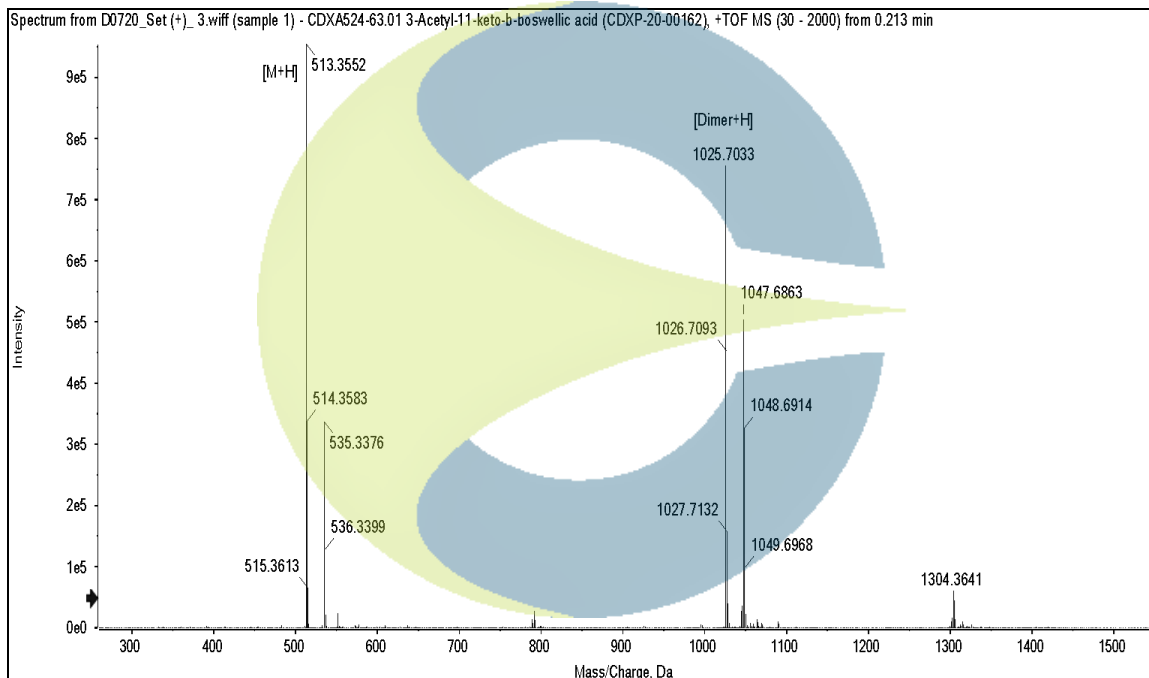


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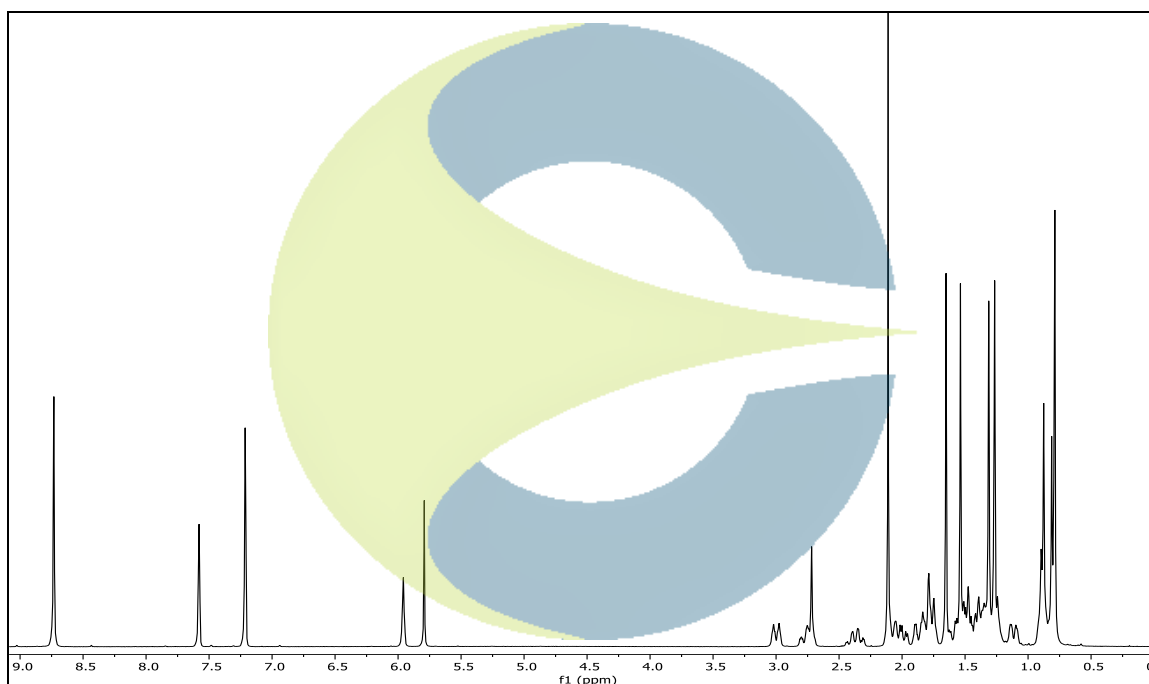
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Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

MASS SPECTRUM OF 3-ACETYL-11-KETO-B-BOSWELLIC ACID (CDXP-20-00162)



¹H-NMR SPECTRUM OF 3-ACETYL-11-KETO-B-BOSWELLIC ACID (CDXP-20-00162) IN PYRIDINE-d₅ + TMS

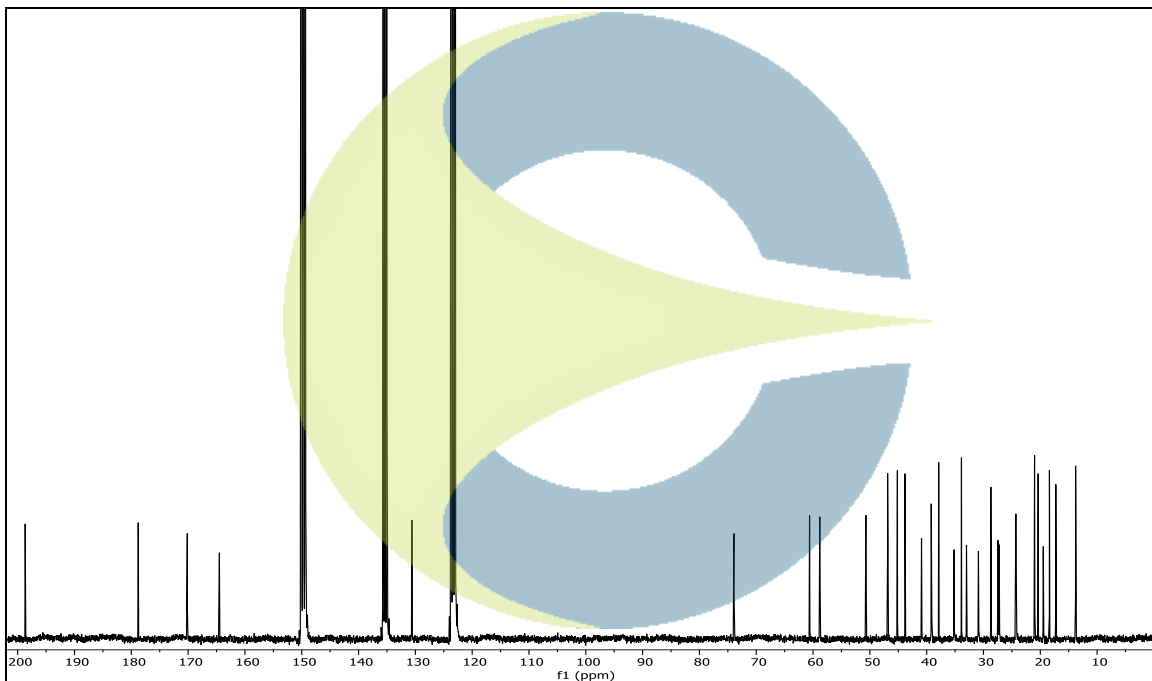


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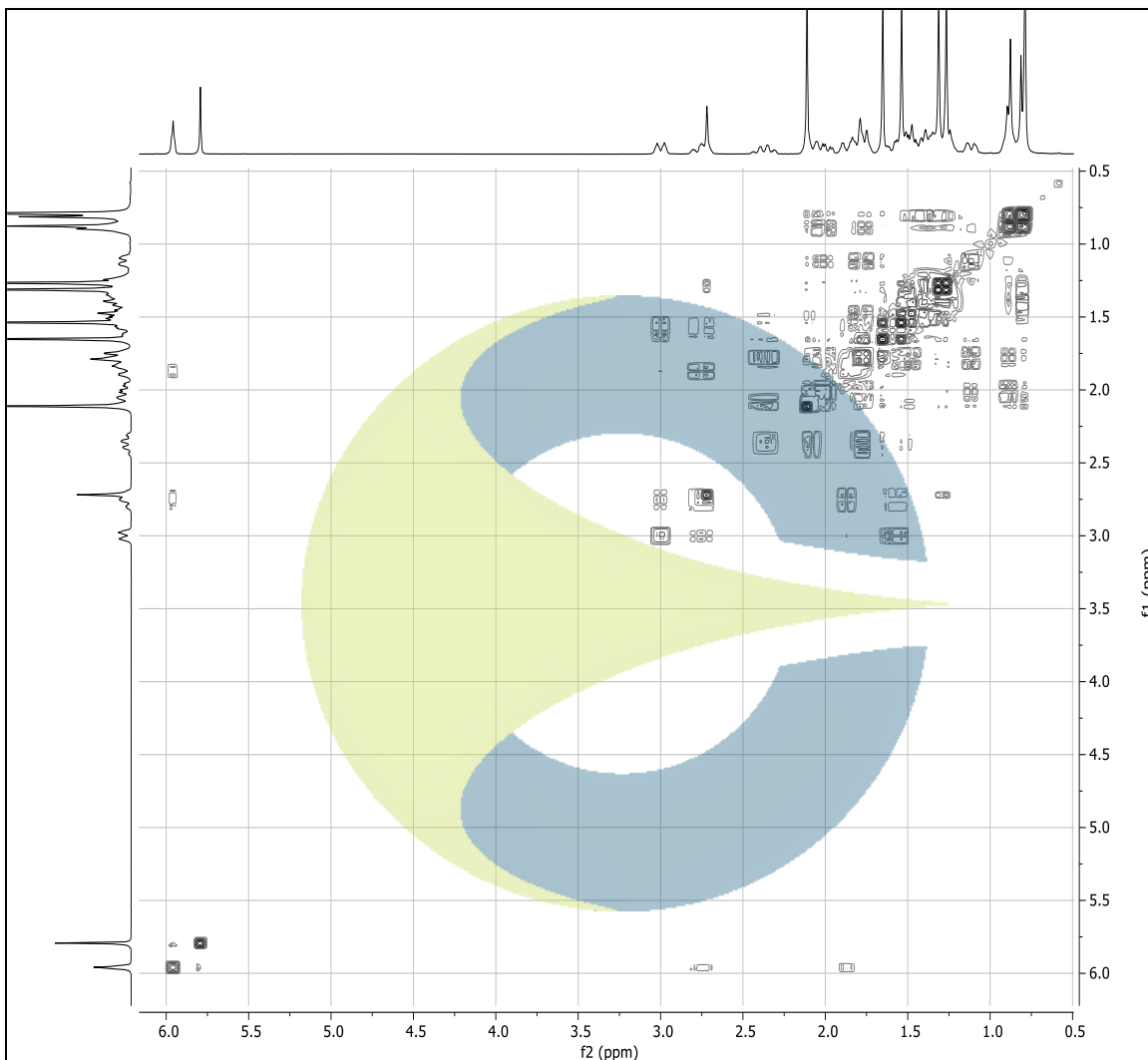
¹³C-NMR SPECTRUM OF 3-ACETYL-11-KETO-B-BOSWELLIC ACID (CDXP-20-00162) IN PYRIDINE-d₅ + TMS



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COSY-NMR SPECTRUM OF 3-ACETYL-11-KETO-B-BOSWELLIC ACID (CDXP-20-00162) IN PYRIDINE-d₅ + TMS

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	04/21/2020	New report
01	08/08/2022	Passed re-evaluation by HPLC, KF. Updated expiration date, analytical conditions, chromatograms and results

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