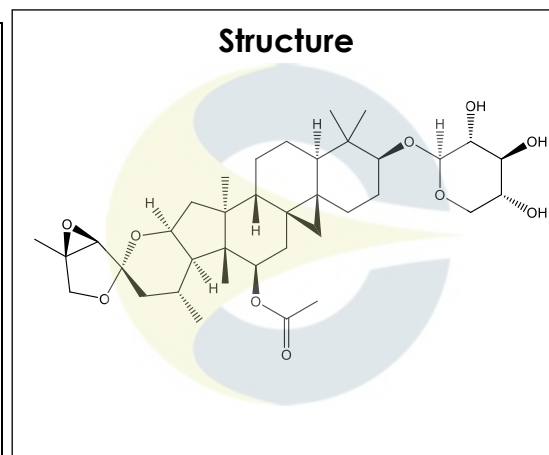


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PRODUCT NAME	27-Deoxyactein
PART NUMBER	00004130
STANDARD TYPE	Primary (P)
LOT NUMBER	00004130-304
REPORT NUMBER	CDXA-RSS-9263-00
SAMPLE NUMBER	CDXP-20-00975
DATE OF SAMPLE	01/08/2021
DATE OF REPORT	02/16/2021



CHEMICAL NAMES	(3 β ,12 β ,16 β ,23S,24R,25R)-12-(Acetyloxy)-16,23:23,26:24,25-triepoxy-9,19-cyclolanostan-3-yl β -D-xylopyranoside
CHEMICAL FORMULA	C ₃₇ H ₅₆ O ₁₀
MOLECULAR WEIGHT (MW)	660.83
CHEMICAL FAMILY	Triterpenes
CAS NUMBER	[264624-38-6]
EC#(EINECS)	607-941-1
RTECS	NA

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	$\geq 85\%$	88.3%
HPLC	0.700.10.2.METH22	$\geq 90\%$	90.1%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	MeOH – 0.4%
Water	0.700.12.37	NA	1.6%
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.
 ADJUSTED PURITY: 88.3% IS BASED ON (100 - 0.4 SOLVENTS - 1.6 WATER) X 90.1% HPLC

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	01/2026 under the above conditions.

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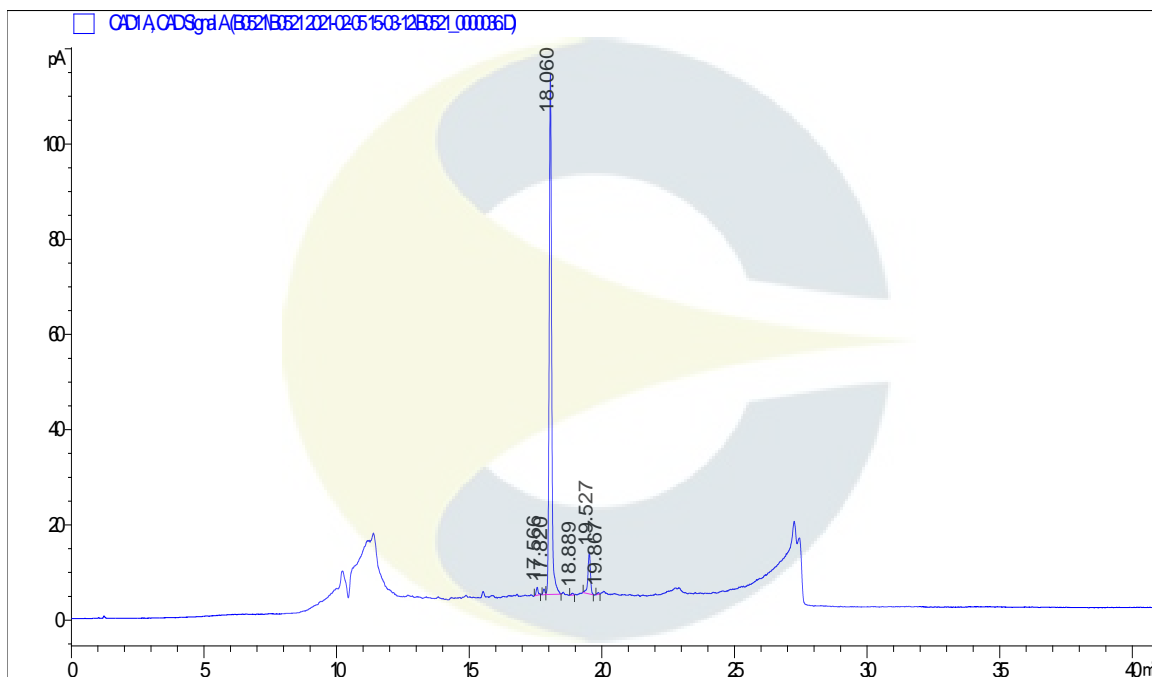
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD) CONNECTED TO DIONEX CORONA VEO CHARGED AEROSOL DETECTOR (CAD); 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.	1.2 mg/mL in Acetonitrile
DETECTION	CAD

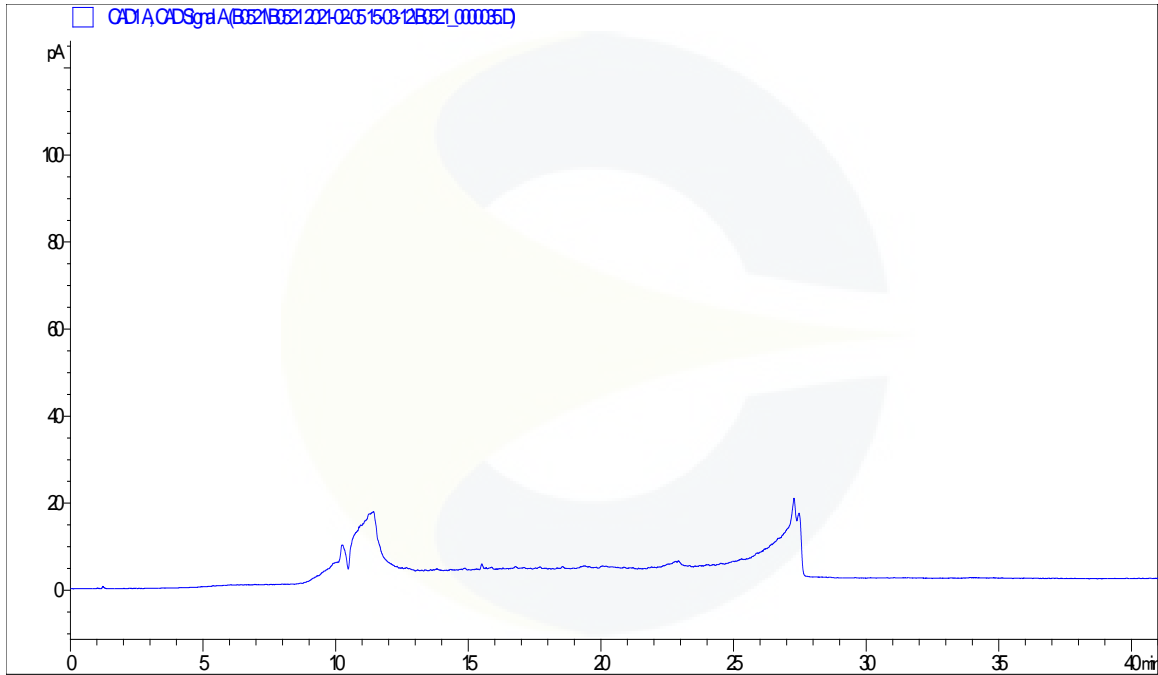
HPLC CHROMATOGRAM OF 27-DEOXYACTEIN (CDXP-20-00975)



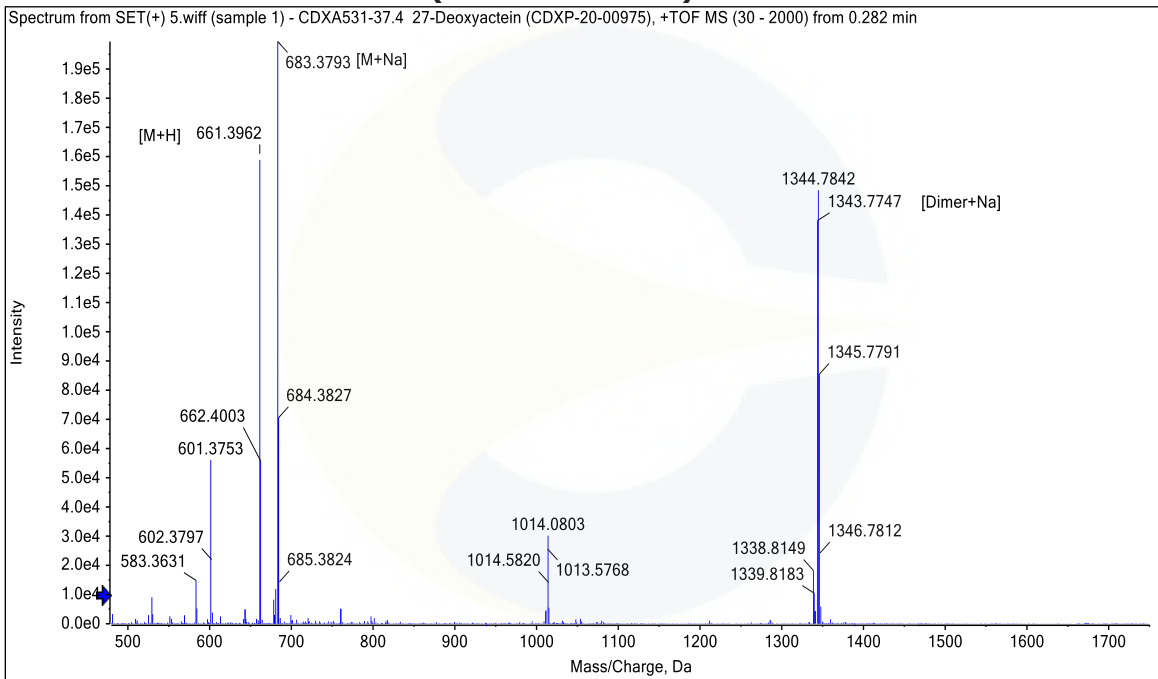
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HPLC CHROMATOGRAM OF DILUENT BLANK



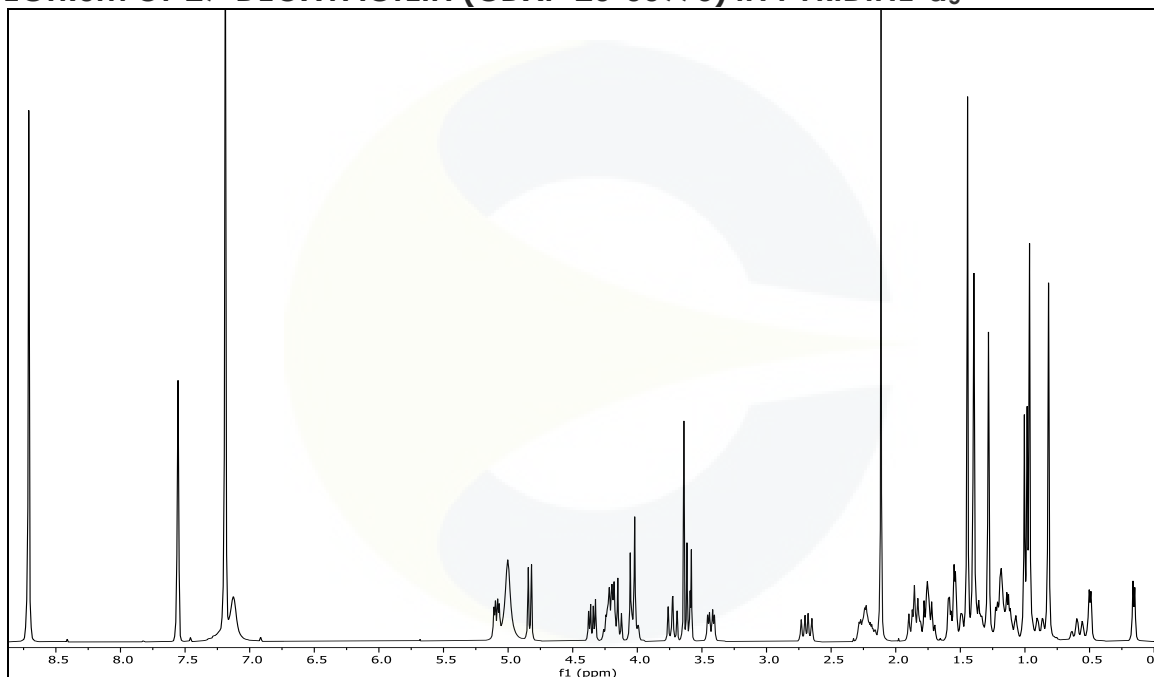
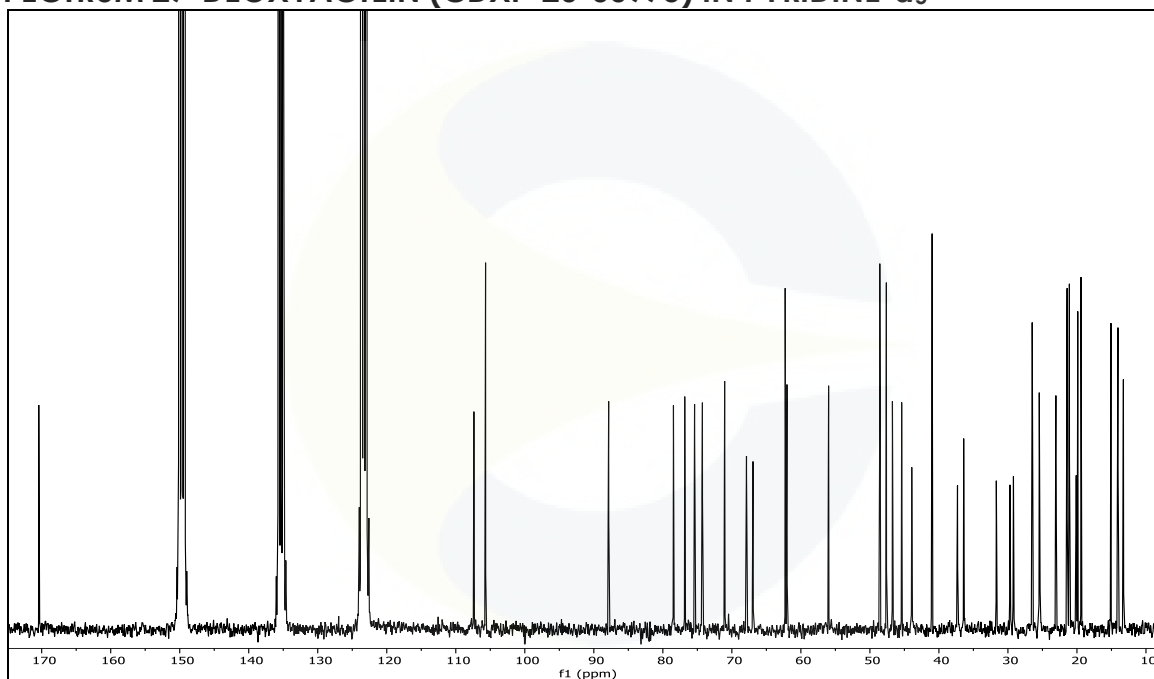
MASS SPECTRUM OF 27-DEOXYACTEIN (CDXP-20-00975)



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

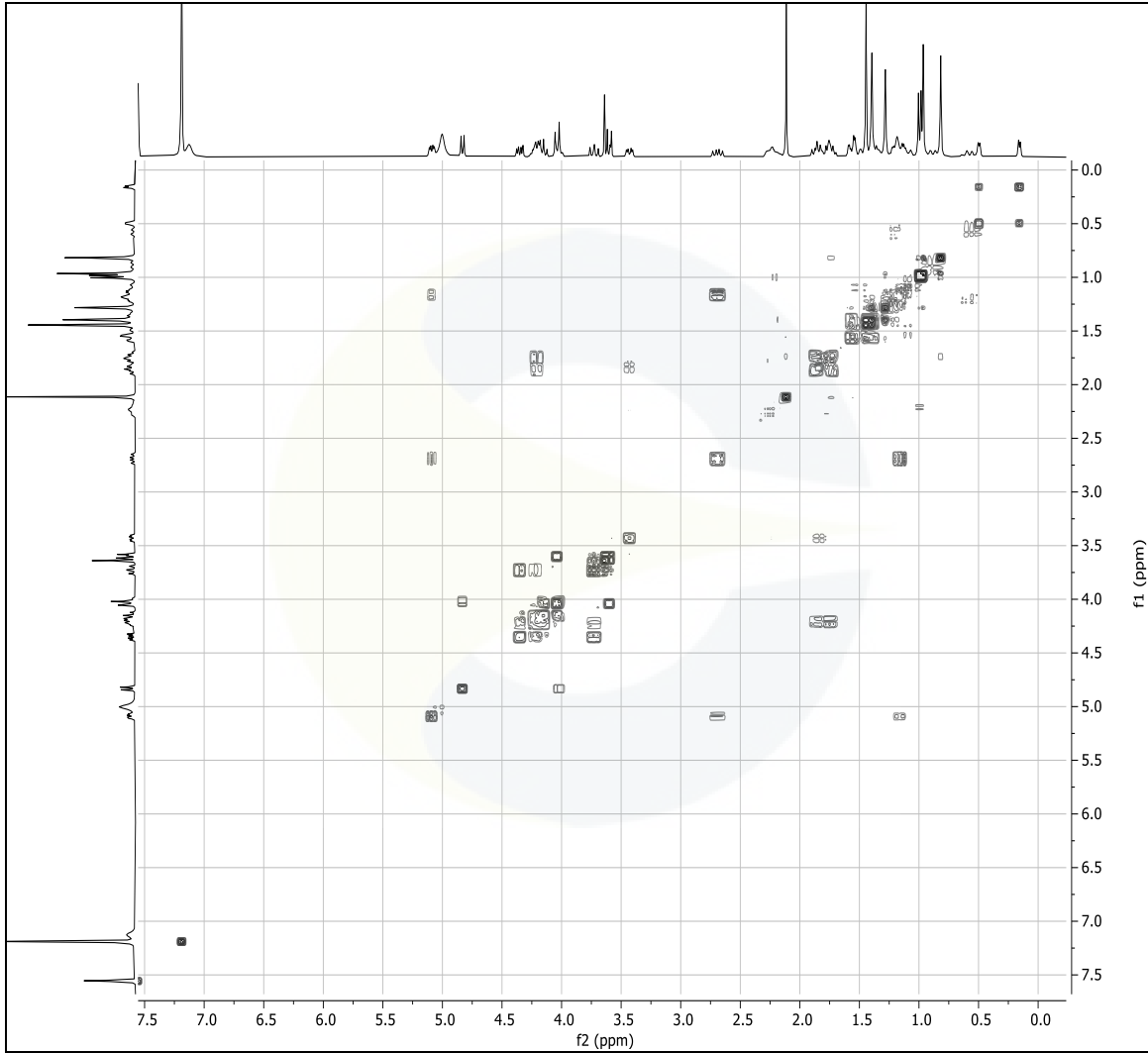
¹H-NMR SPECTRUM OF 27-DEOXYACTEIN (CDXP-20-00975) IN PYRIDINE-*d*₅

¹³C-NMR SPECTRUM 27-DEOXYACTEIN (CDXP-20-00975) IN PYRIDINE-*d*₅


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COSY-NMR SPECTRUM OF 27-DEOXYACTEIN (CDXP-20-00975) IN PYRIDINE-d₅



REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	02/16/2021	New report

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