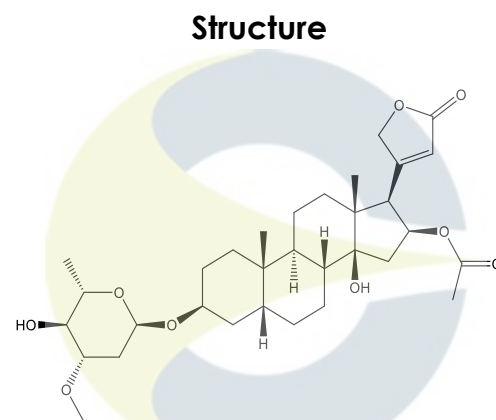


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PRODUCT NAME	Oleandrin
PART NUMBER	00015290
STANDARD TYPE	Primary (P)
LOT NUMBER	00015290-406
REPORT NUMBER	CDXA-RSS-6338-02
SAMPLE NUMBER	CDXA-14-7449
DATE OF SAMPLE	12/01/2014
DATE OF RE-EVALUATION	03/04/2019 (1 st); 02/06/2023 (2 nd)
DATE OF REPORT	02/22/2023



CHEMICAL NAMES	(3β,5β,16β)-16-(Acetyloxy)-3-((2,6-dideoxy-3-O-methyl-α-L-arabino-hexopyranosyl)oxy)-14-hydroxy-card-20(22)-enolide; Corrigen; Folinerin; Neriol; Neriostene
CHEMICAL FORMULA	C ₃₂ H ₄₈ O ₉
MOLECULAR WEIGHT (MW)	576.72
CHEMICAL FAMILY	Cardiac glycosides
CAS NUMBER	[465-16-7]
EC#(EINECS)	207-361-5
RTECS	FH4585000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	97.4%
HPLC	0.700.10.2.METH22	≥ 90%	97.5%
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-7.0-000115	NA	Acetone – 0.1%
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

ADJUSTED PURITY: 97.4% IS BASED ON (100 - 0.1 SOLVENTS - 0.0 WATER) X 97.5% HPLC

STORAGE CONDITIONS

STORAGE	-20 °C in a dry place.
EXPIRATION DATE	02/2028 under the above conditions.

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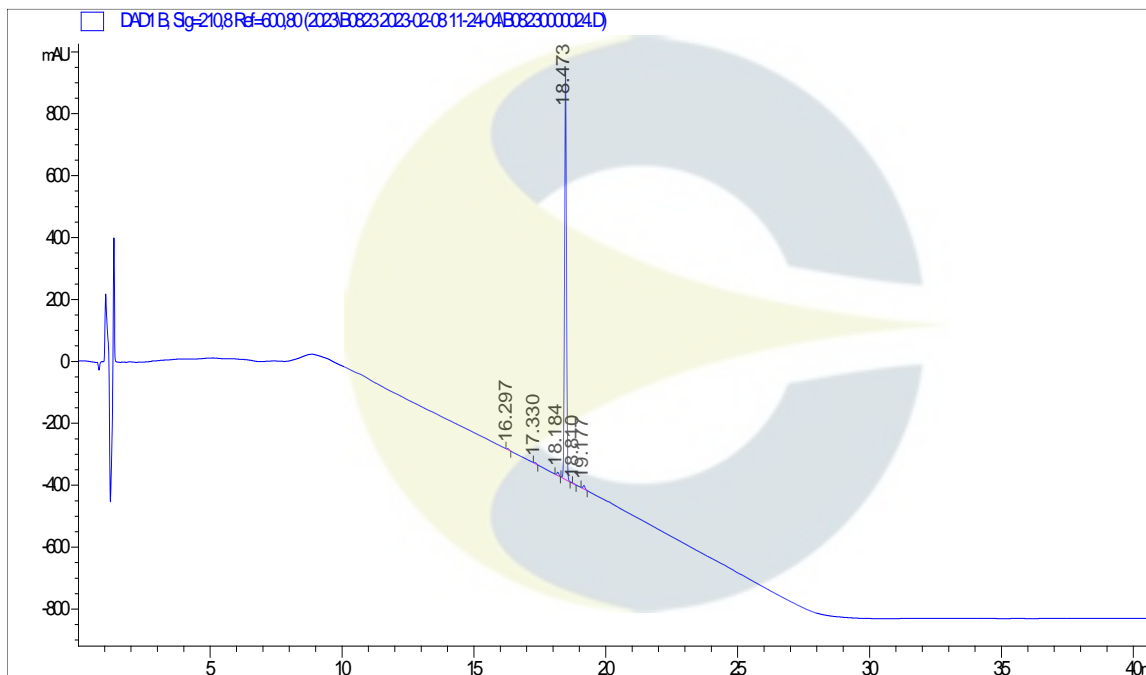
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ANALYTICAL CONDITIONS

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, 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	210 ± 4 nm

HPLC CHROMATOGRAM OF OLEANDRIN (CDXA-14-7449)

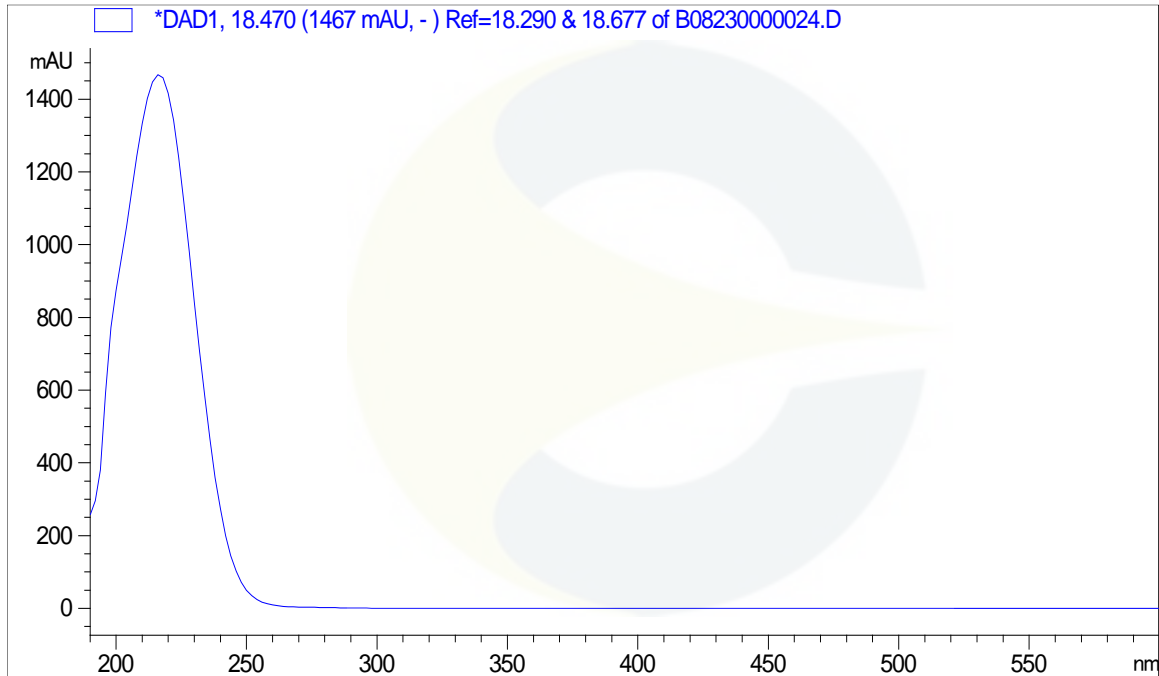


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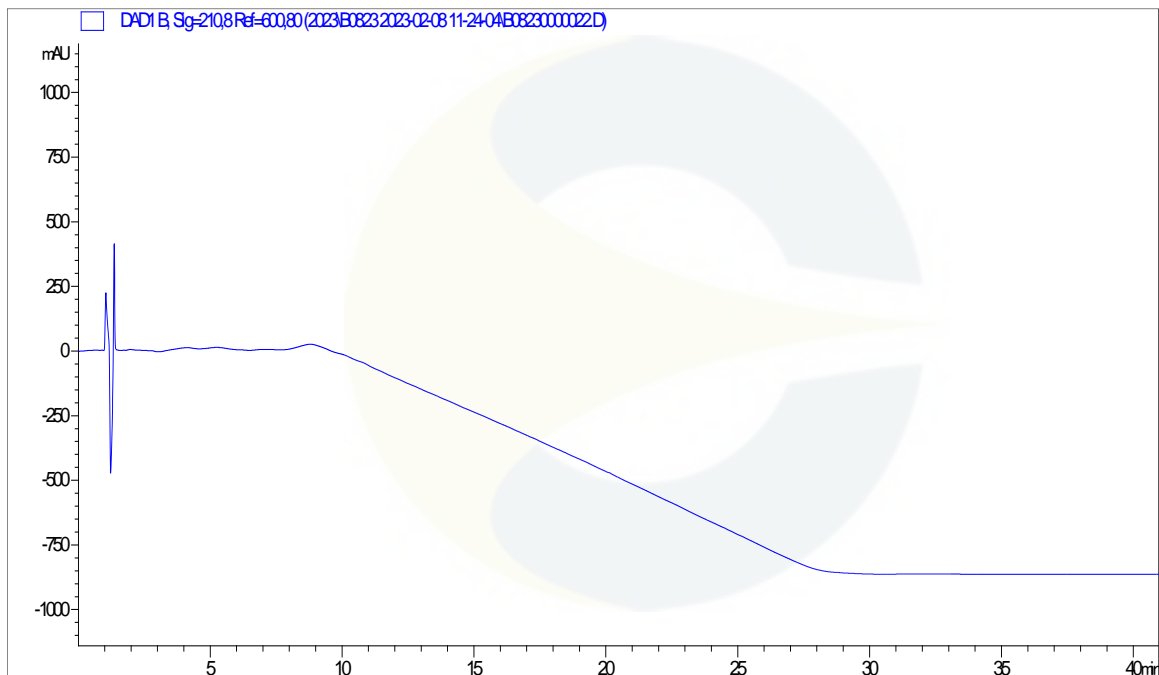
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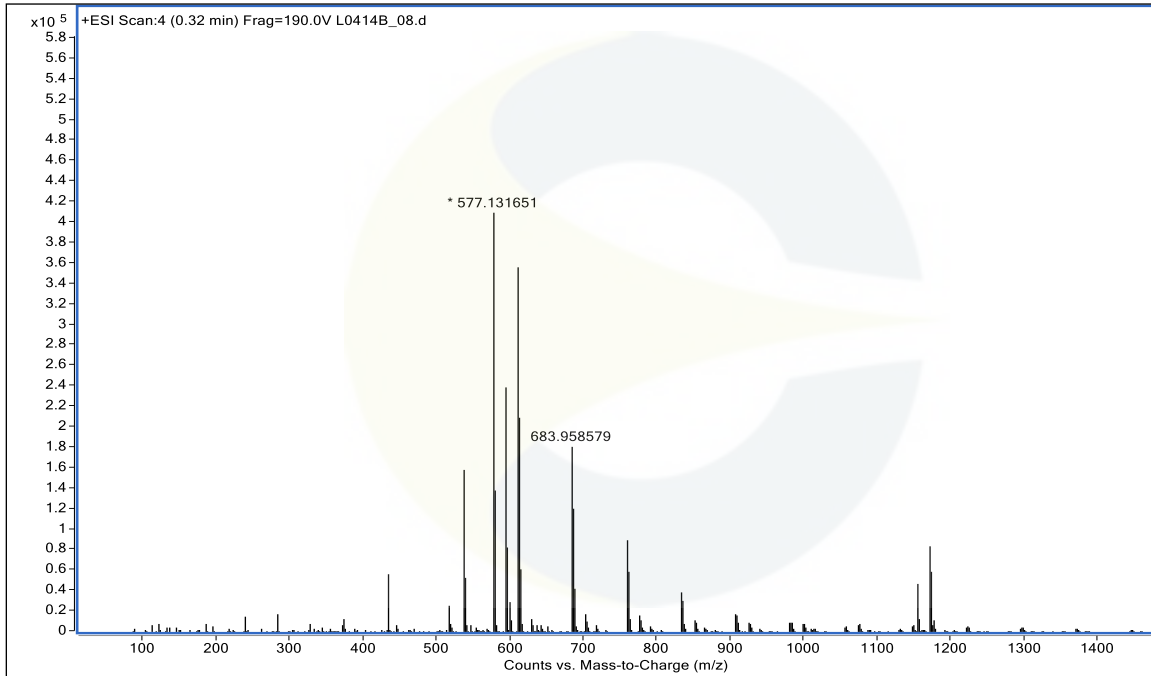
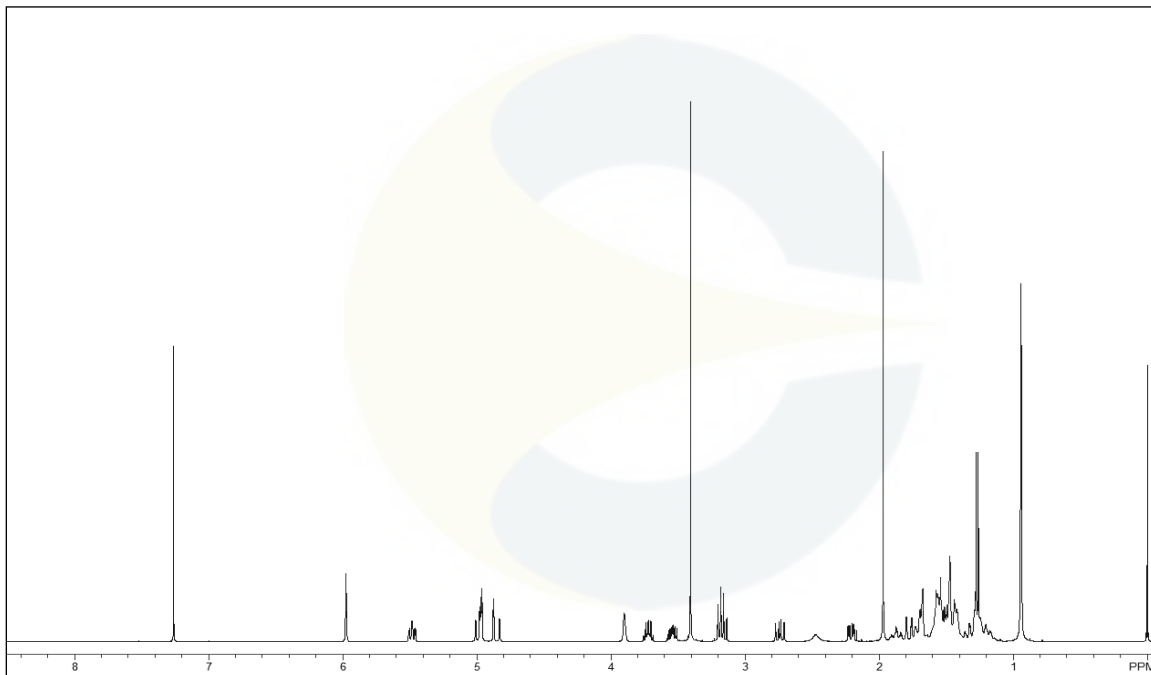
UV SPECTRUM AT RT = 18.5 MINUTES



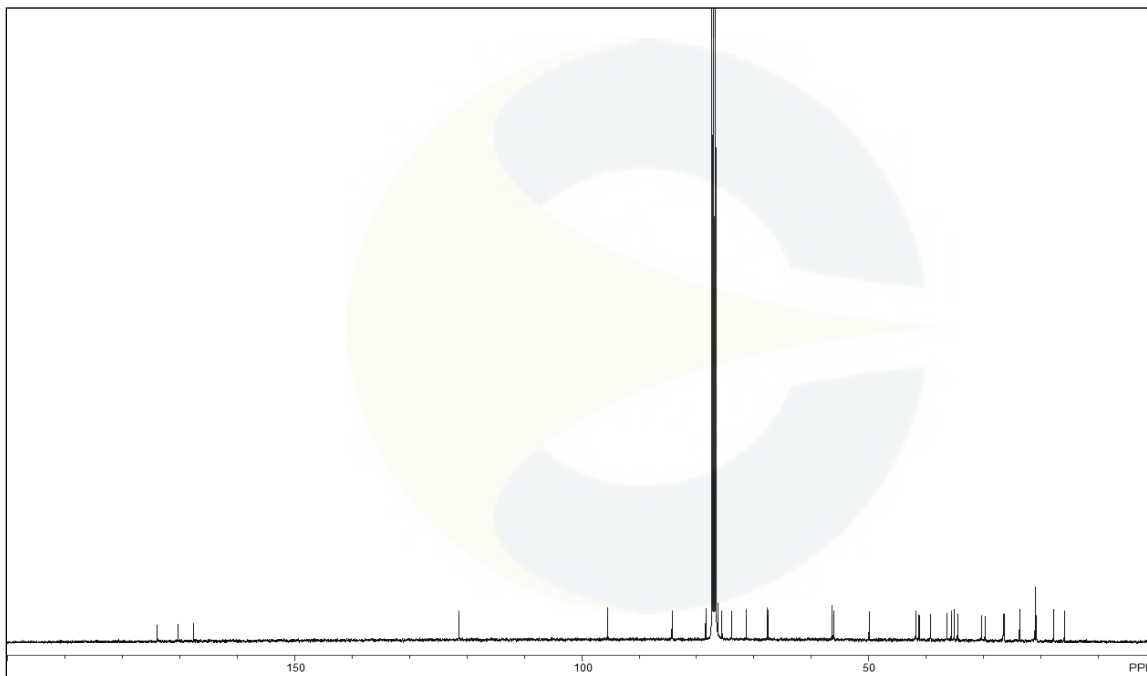
HPLC CHROMATOGRAM OF DILUENT BLANK



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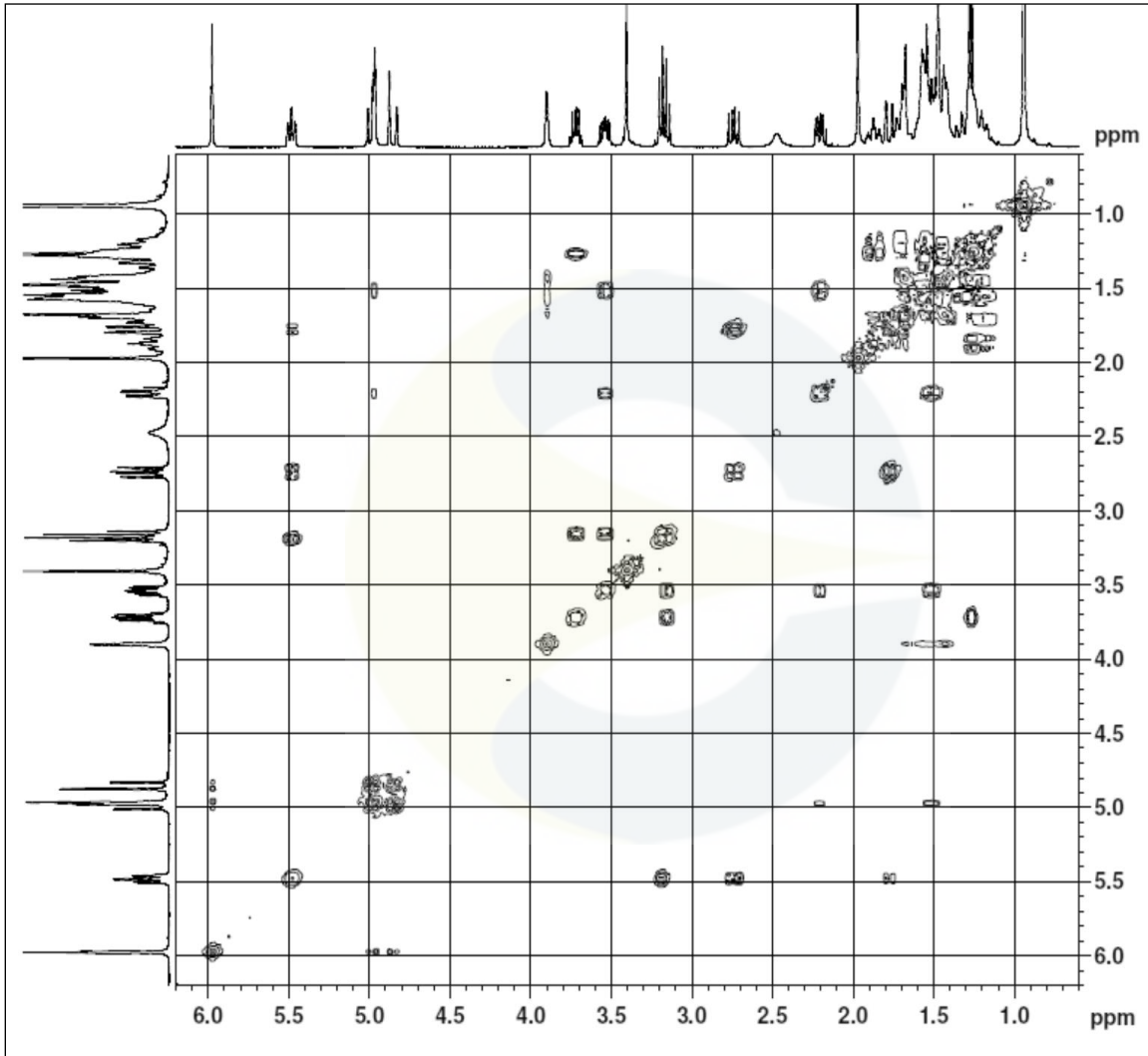
MASS SPECTRUM OF OLEANDRIN (CDXA-14-7449)**¹H-NMR SPECTRUM OF OLEANDRIN (CDXA-14-7449) IN CDCl₃**

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^{13}C -NMR SPECTRUM OF OLEANDRIN (CDXA-14-7449) IN CDCl_3 

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COSY-NMR SPECTRUM OF OLEANDRIN (CDXA-14-7449) IN CDCl₃



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REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	12/17/2014	New report
01	03/21/2019	Passed re-evaluation by HPLC and KF. Updated analytical results, analytical conditions, chromatograms, and expiration date. Removed melting point.
02	02/22/2023	Passed re-evaluation by HPLC and KF. Updated analytical conditions, results, chromatograms, and expiration date.

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