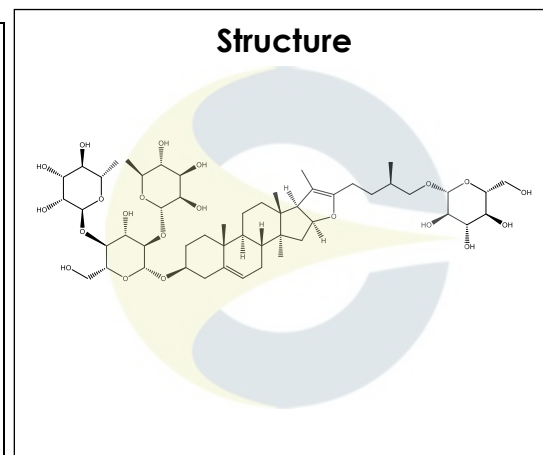


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PRODUCT NAME	Pseudoprotodioscin
PART NUMBER	00016311
STANDARD TYPE	Primary (P)
LOT NUMBER	00016311-00842
REPORT NUMBER	CDXA-RSS-9579-00
SAMPLE NUMBER	CDXP-21-00842
DATE OF SAMPLE	11/17/2021
DATE OF REPORT	12/17/2021



CHEMICAL NAMES	(3β,25R)-26-(β-D-Glucopyranosyloxy)furosta-5,20(22)-dien-3-yl O-6-deoxy-α-L-mannopyranosyl-(1→2)-O-[6-deoxy-α-L-mannopyranosyl-(1→4)]-β-D-glucopyranoside; Oligofurostanoside A
CHEMICAL FORMULA	C ₅₁ H ₈₂ O ₂₁
MOLECULAR WEIGHT (MW)	1031.18
CHEMICAL FAMILY	Saponins
CAS NUMBER	[102115-79-7]
EC#(EINECS)	600-274-7
RTECS	NA

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	89.3%
HPLC	0.700.10.2.METH22	≥ 90%	96.0%
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-6.0-000115	NA	MeOH – 0.7%; ACN – 2.1%
Water	0.700.12.37	NA	4.2%
Appearance	NA	NA	White powder

ADJUSTED PURITY: 89.3% IS BASED ON (100 - 2.8 SOLVENTS - 4.2 WATER) X 96.0% HPLC

STORAGE CONDITIONS

STORAGE	-20 °C in a dry place.
EXPIRATION DATE	11/2026 under the above conditions.

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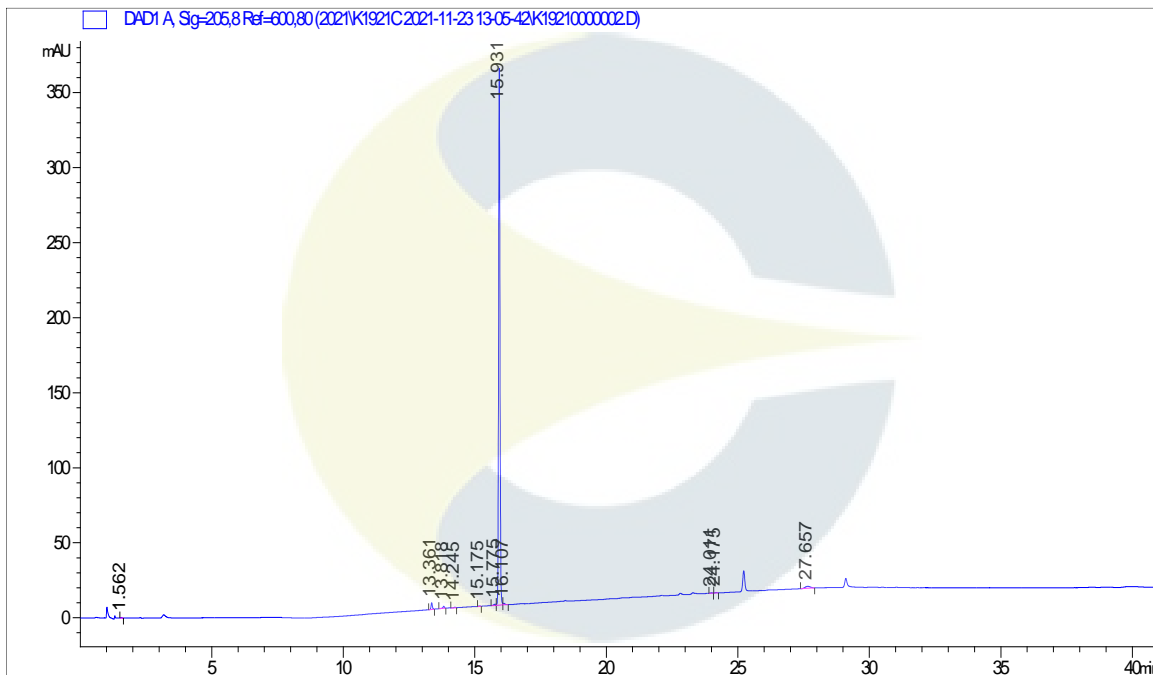
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ANALYTICAL CONDITIONS

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 - 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.	1.0 µL
INJECTION CONC.	1.0 mg/mL in Methanol
DETECTION	205 ± 4 nm

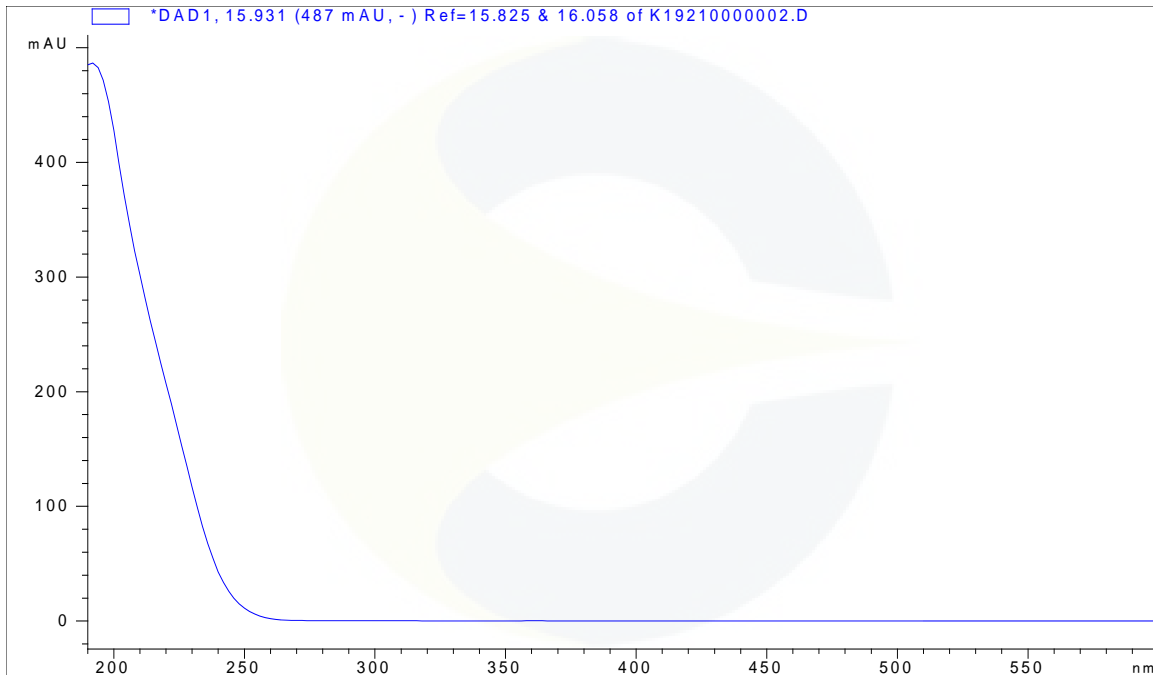
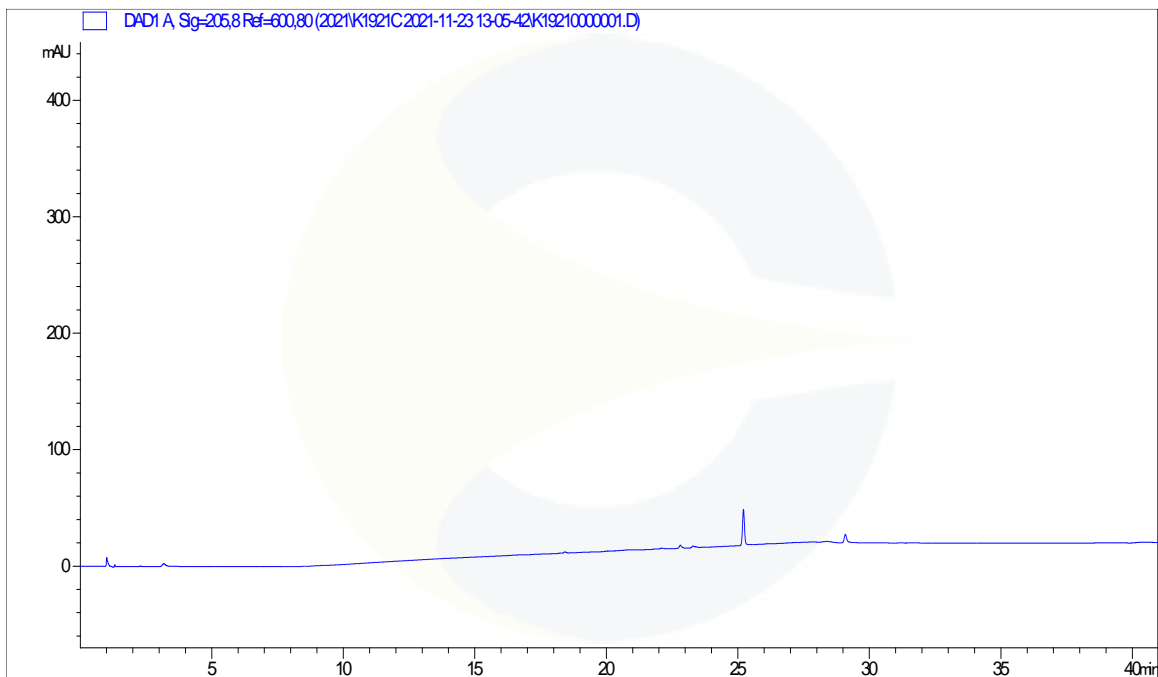
HPLC CHROMATOGRAM OF PSEUDOPROTODIOSCIN (CDXP-21-00842)



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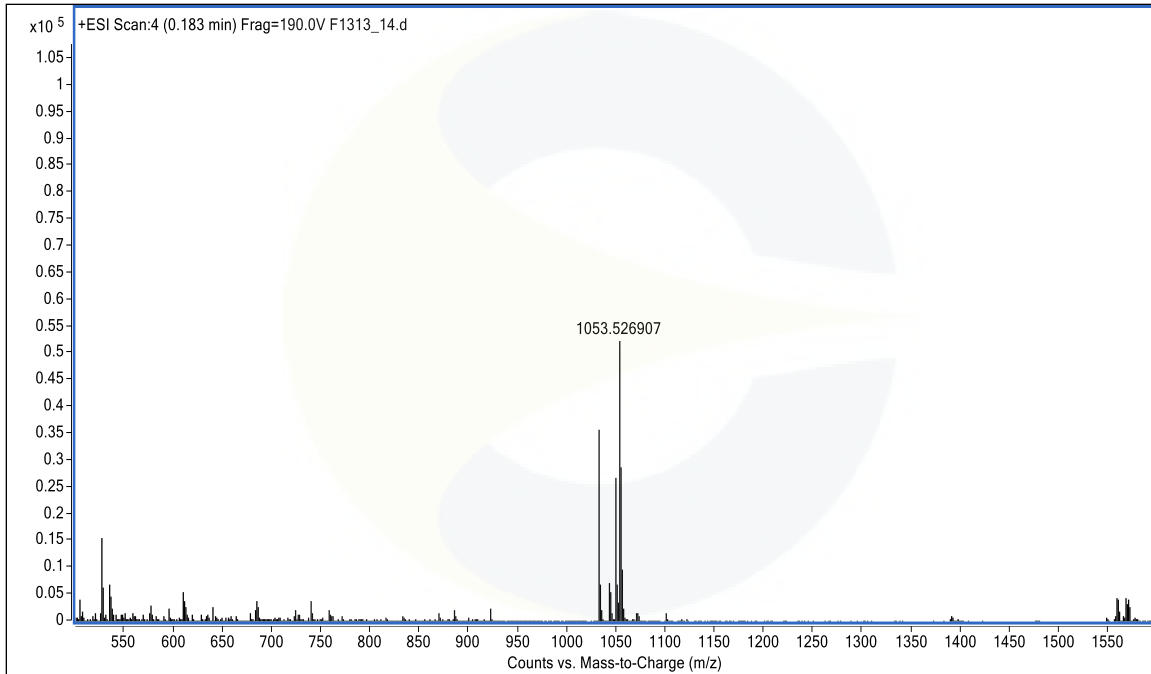
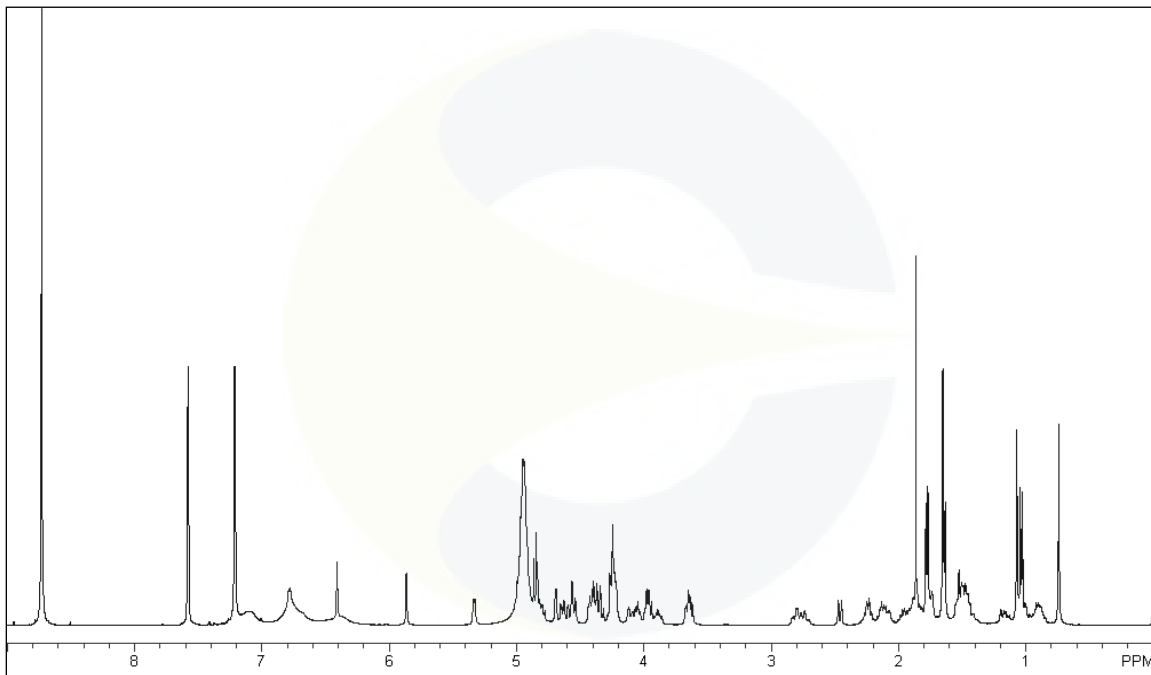
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UV SPECTRUM AT RT = 15.9 MINUTES**HPLC CHROMATOGRAM OF DILUENT BLANK**

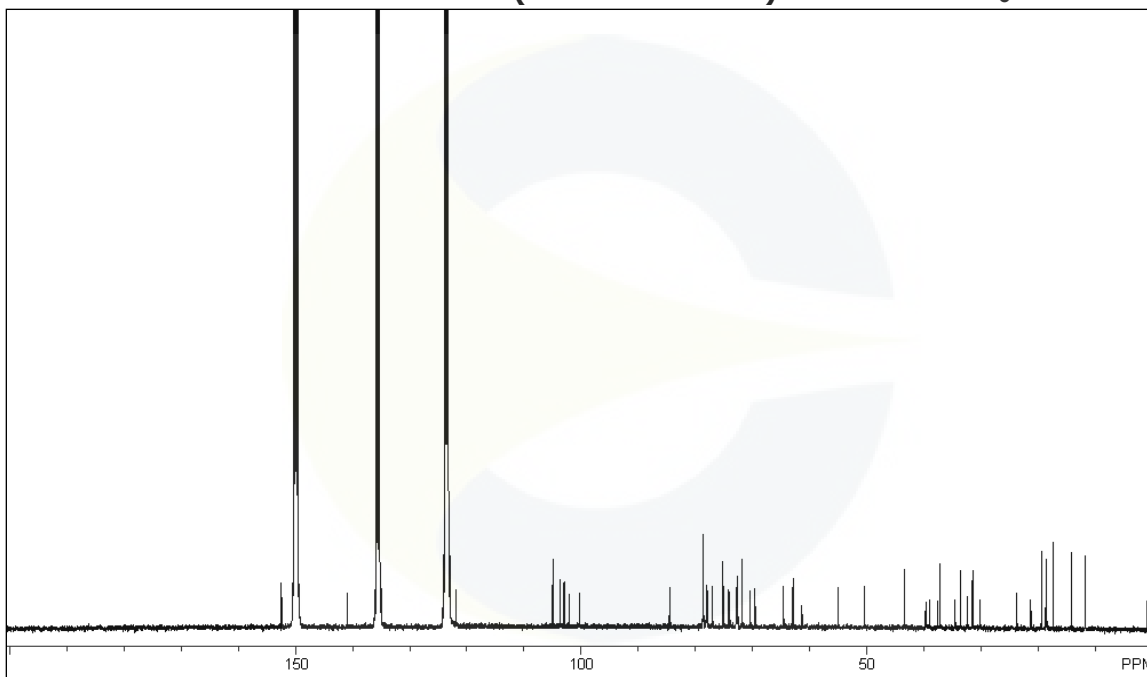
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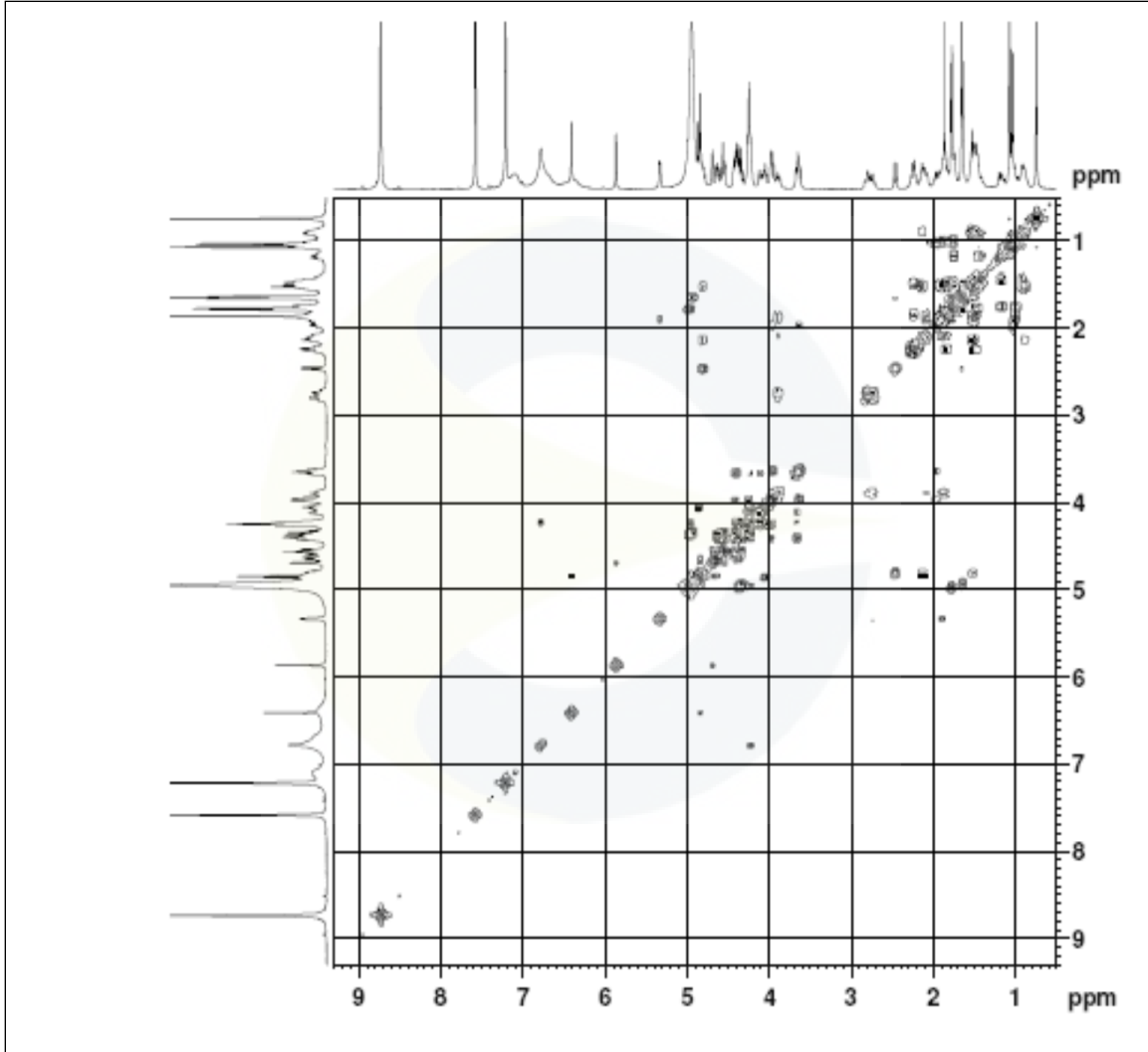
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MASS SPECTRUM OF PSEUDOPROTODIOSCIN (CDXP-21-00842)**¹H-NMR SPECTRUM OF PSEUDOPROTODIOSCIN (CDXP-21-00842) IN PYRIDINE-d₅**

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¹³C-NMR SPECTRUM PSEUDOPROTODIOSCIN (CDXP-21-00842) IN PYRIDINE-d₅

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COSY-NMR SPECTRUM OF PSEUDOPROTODIOSCIN (CDXP-21-00842) IN PYRIDINE-d₅

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	12/17/2021	New report

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