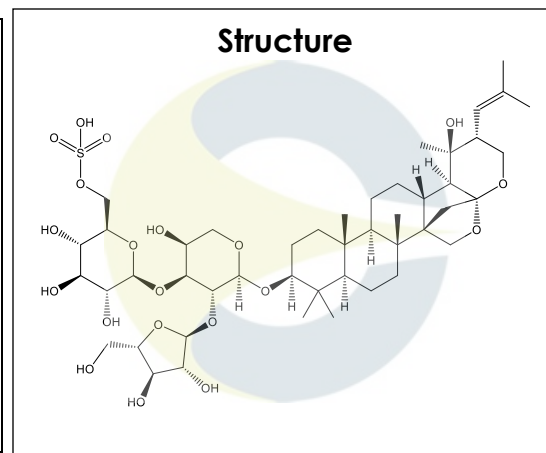


Certificate of Analysis
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PRODUCT NAME	Bacopaside I
PART NUMBER	00002002
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00002002-F073
REPORT NUMBER	CDXA-RSS-9241-00
SAMPLE NUMBER	CDXP-20-00897
DATE OF SAMPLE	12/18/2020
DATE OF REPORT	01/13/2021



CHEMICAL NAMES	(1S,2R,4aR,6aS,6bR,8aR,10S,12aR,12bR,14aR,14bS)-Hexadecahydro-1-hydroxy-1,6b,9,9,12a-pentamethyl-2-(2-methyl-1-propen-1-yl)-4a,6a-methano-1H,6H-phenanthro[2,1-d]pyrano[2,3-b]pyran-10-yl O- α -L-arabinofuranosyl-(1 \rightarrow 2)-O-[6-O-sulfo- β -D-glucopyranosyl-(1 \rightarrow 3)]- α -L-arabinopyranoside
CHEMICAL FORMULA	C ₄₆ H ₇₄ O ₂₀ S
MOLECULAR WEIGHT (MW)	979.13
CHEMICAL FAMILY	Triterpenes
CAS NUMBER	[382148-47-2]
EC#(EINECS)	N/A
RTECS	N/A

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH22	$\geq 75\%$	89.2%
Mass Spectrum	0.700.12.27	Conforms	Conforms
Appearance	NA	NA	White powder

STORAGE CONDITIONS

STORAGE	-20 °C in a dry place.
EXPIRATION DATE	12/2025 under the above conditions.

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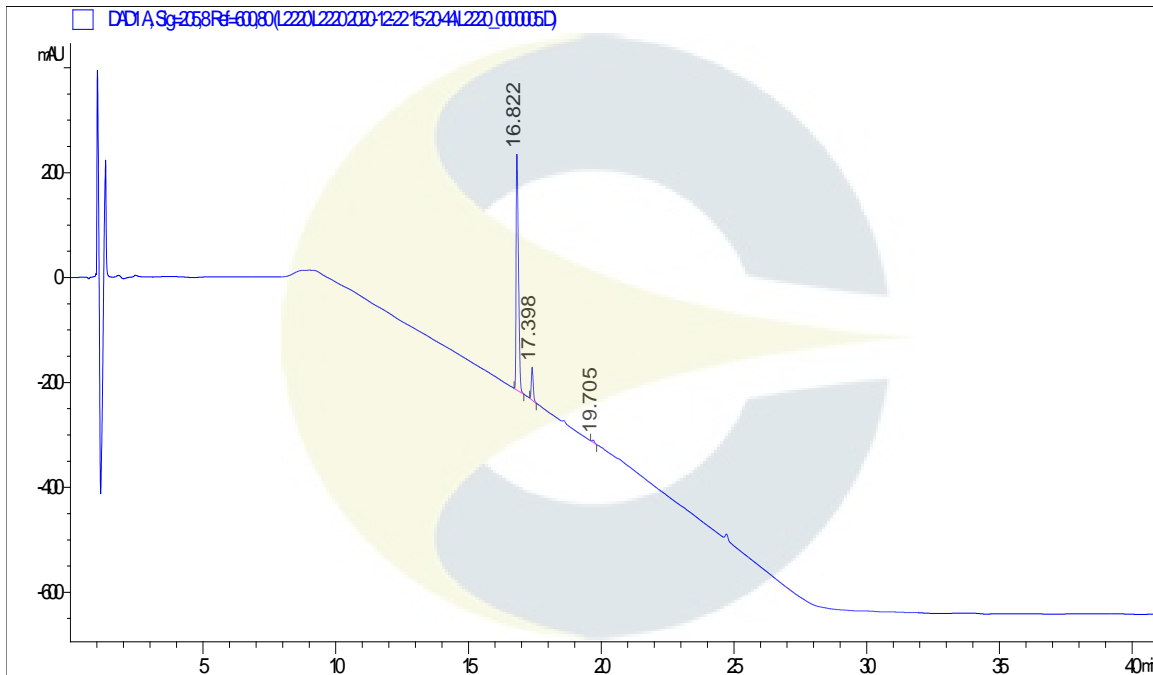
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ANALYTICAL CONDITIONS

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.
COLUMN TEMP.	30 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	4.0 µL
INJECTION CONC.	1.1 mg/mL in Methanol
DETECTION	205 ± 4 nm

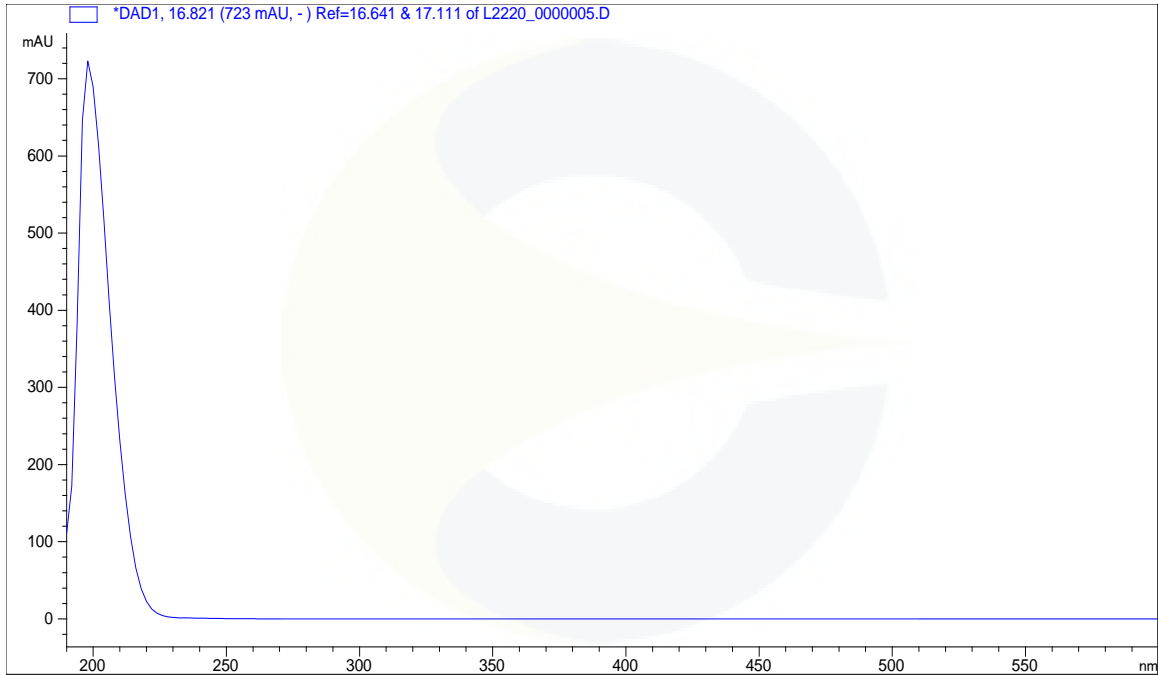
HPLC CHROMATOGRAM OF BACOPASIDE I (CDXP-20-00897)



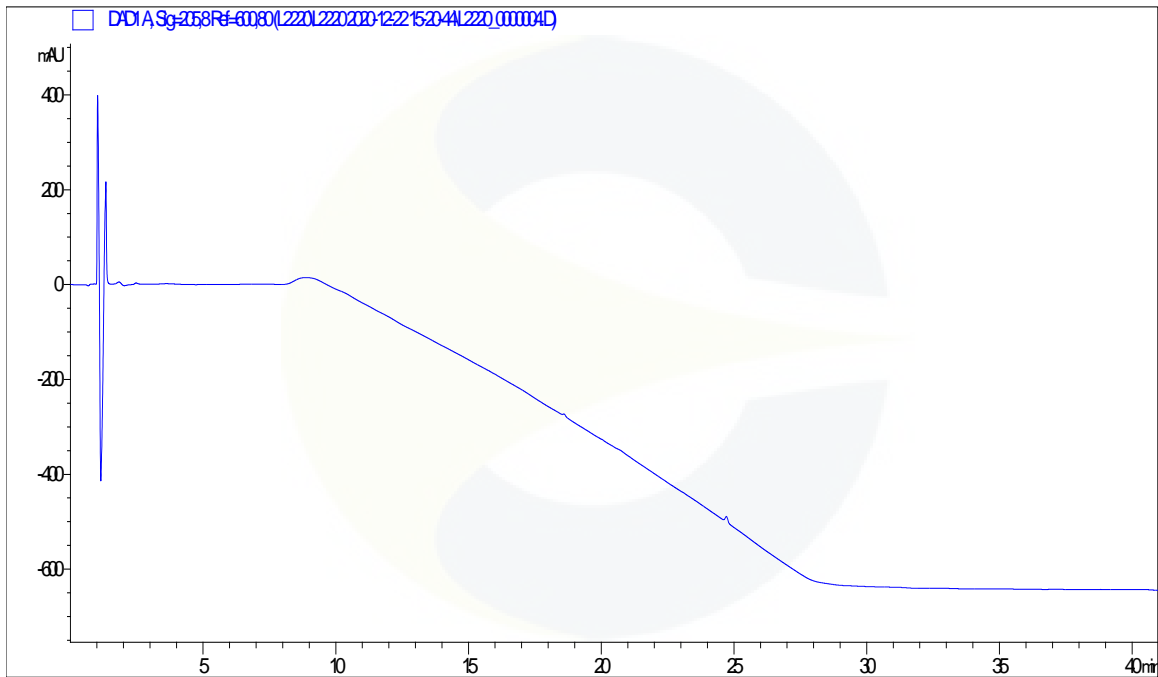
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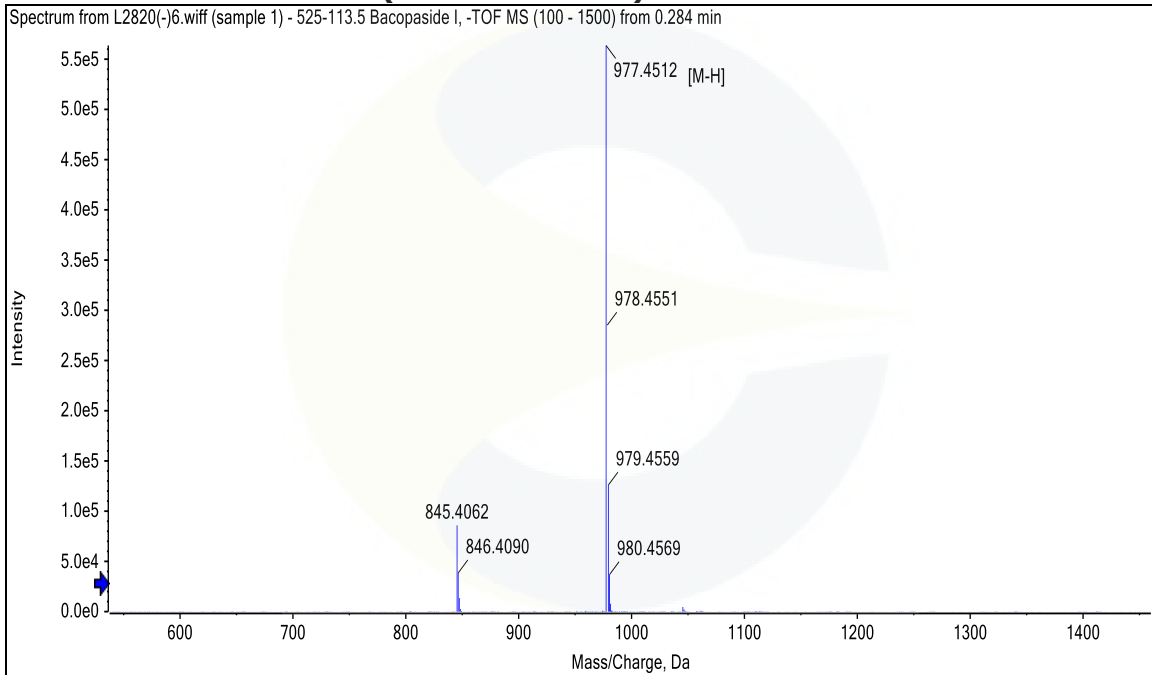
UV SPECTRUM AT 16.8 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



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MASS SPECTRUM OF BACOPASIDE I (CDXP-20-00897)

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	01/13/2021	New report

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