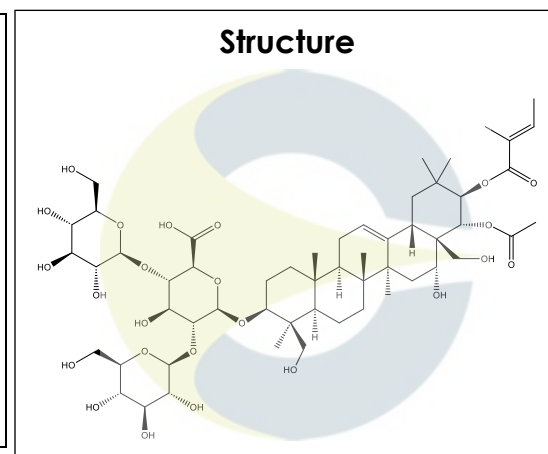


Certificate of Analysis

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PRODUCT NAME	Aescin IA
PART NUMBER	00001477
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00001477-043
REPORT NUMBER	CDXA-RSS-10084-00
SAMPLE NUMBER	CDXP-23-00102
DATE OF SAMPLE	02/07/2023
DATE OF REPORT	02/22/2023



CHEMICAL NAMES	Escin Ia; (3 β ,4 β ,16 α ,21 β ,22 α)-22-(Acetyloxy)-16,23,28-trihydroxy-21(((2E)-2-methyl-1-oxo-2-butenyl)oxy)olean-12-en-3-yl-O- β -D-glucopyranosyl-(1 \rightarrow 2)-O-(β -D-glucopyranosyl-(1 \rightarrow 4)- β -D-glucopyranosiduronic acid
CHEMICAL FORMULA	C ₅₅ H ₈₆ O ₂₄
MOLECULAR WEIGHT (MW)	1131.26
CHEMICAL FAMILY	Triterpenes
CAS NUMBER	[123748-68-5]
EC#(EINECS)	683-254-0
RTECS	NA

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH22	$\geq 75\%$	97.9%
Mass Spectrum	0.700.12.27	Conforms	Conforms
Appearance	NA	NA	White powder

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	02/2028 under the above conditions.

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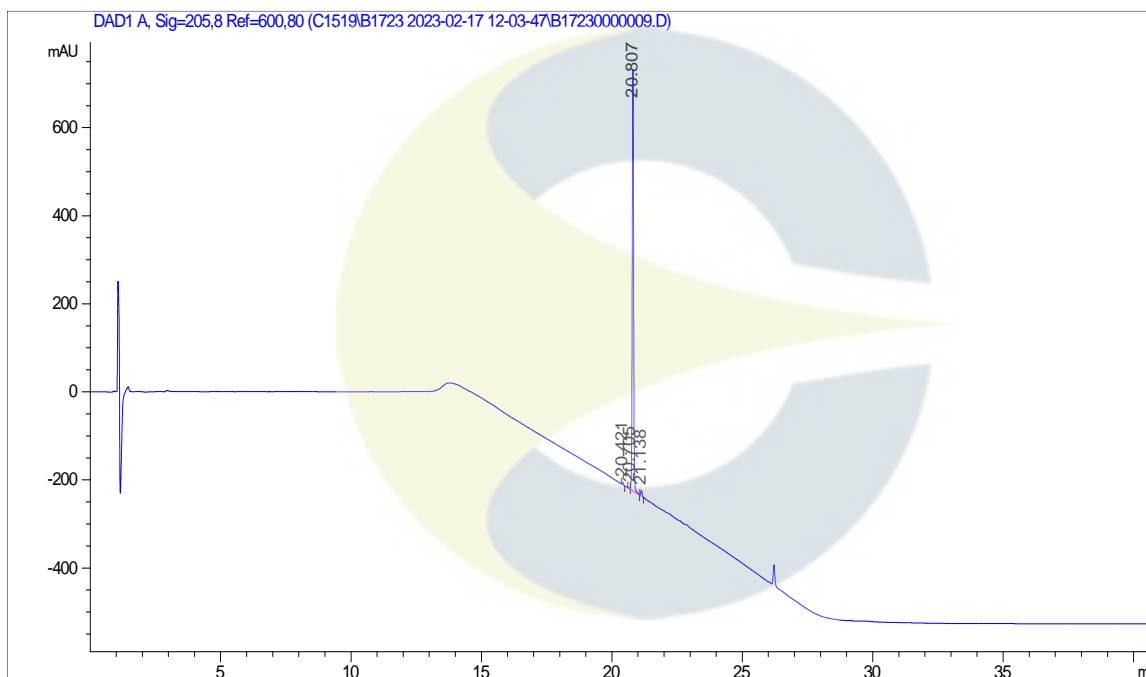
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); 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.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	2.0 µL
INJECTION CONC.	1.1 mg/mL in Methanol
DETECTION	205 ± 4 nm

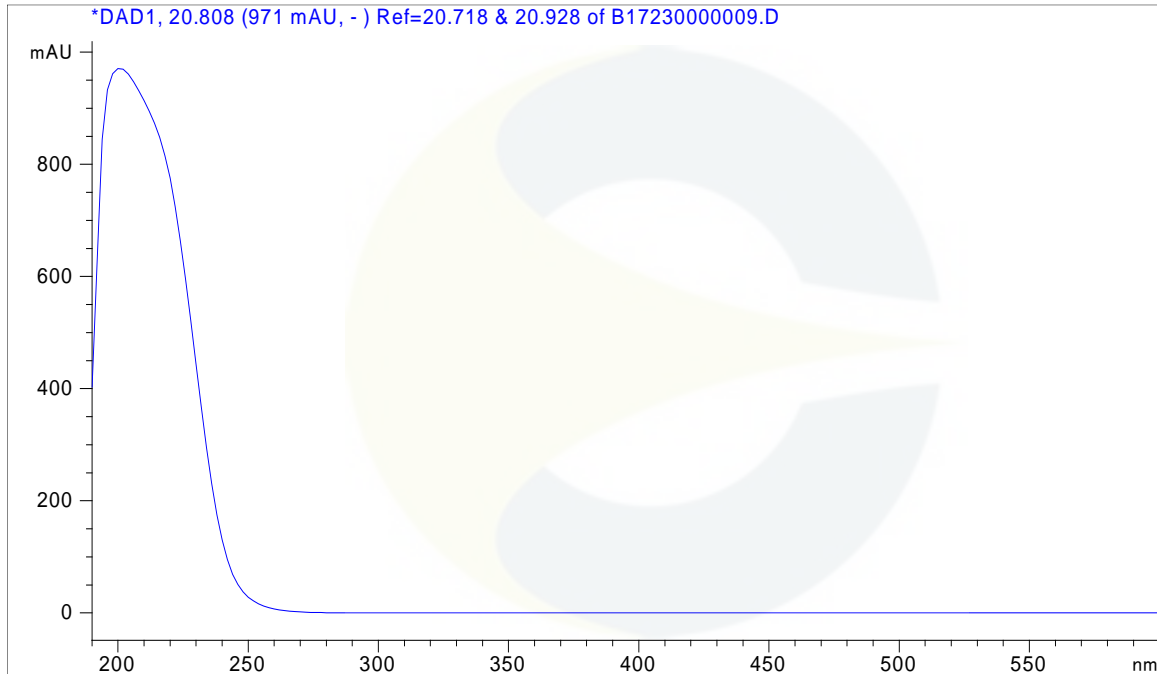
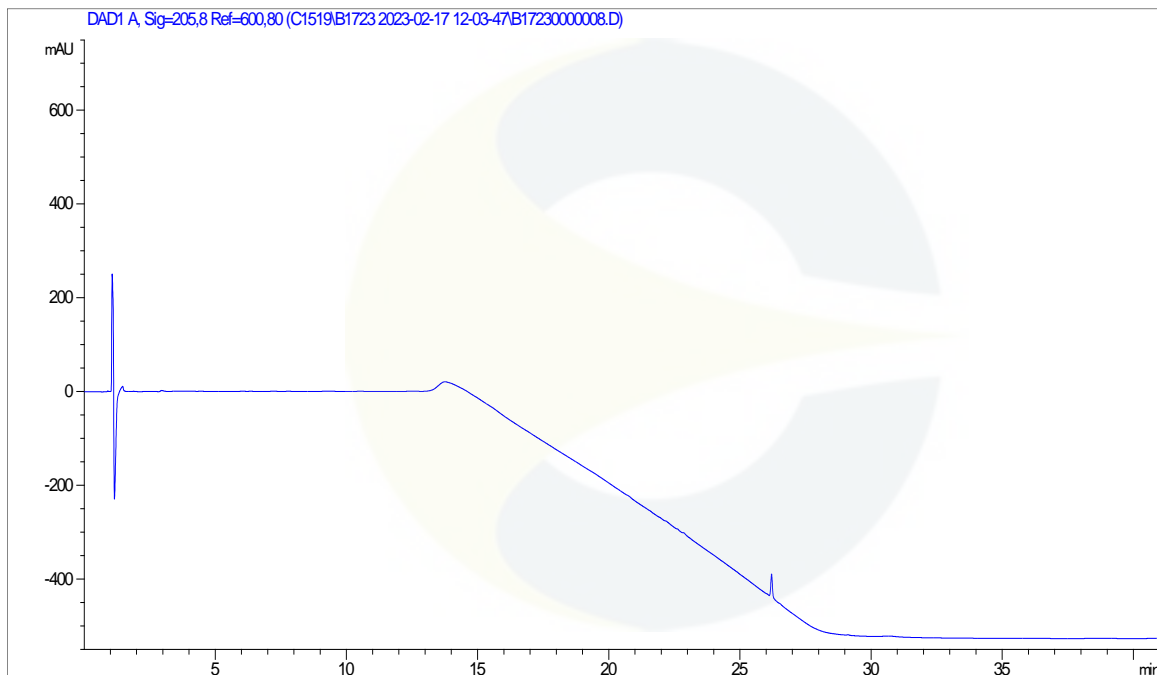
HPLC CHROMATOGRAM OF AESCIN IA (CDXP-23-00102)



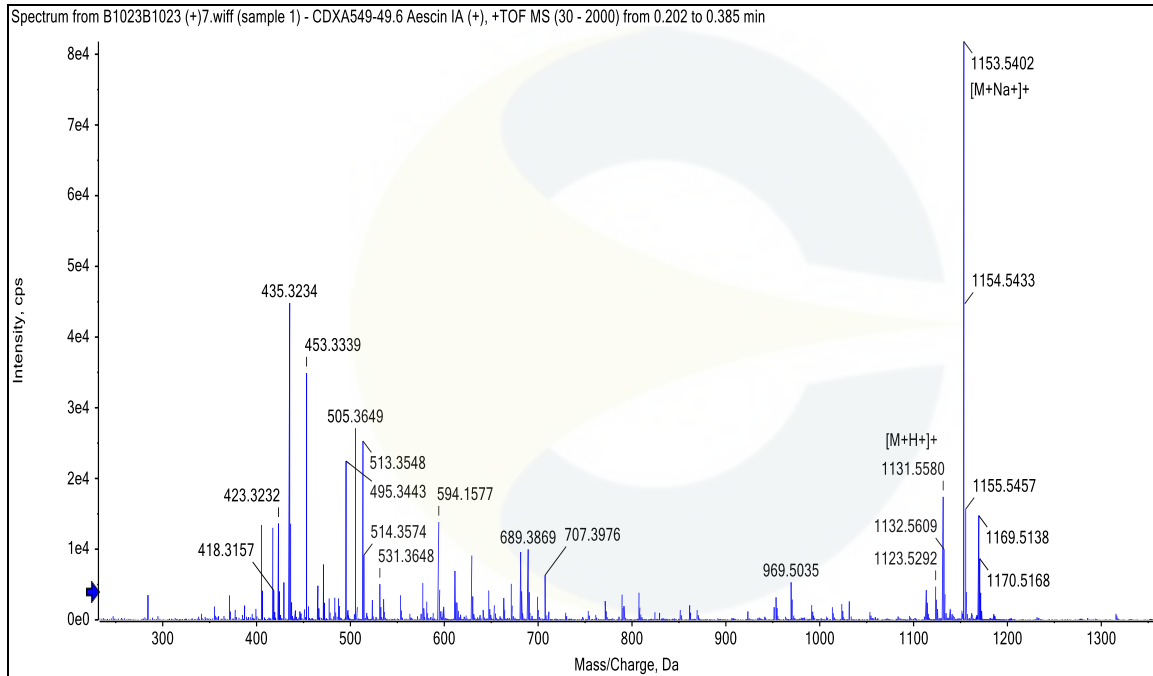
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UV SPECTRUM AT RT = 20.8 MINUTES**HPLC CHROMATOGRAM OF DILUENT BLANK**

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MASS SPECTRUM OF AESCIN IA (CDXP-23-00102)

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	02/22/2023	New report

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