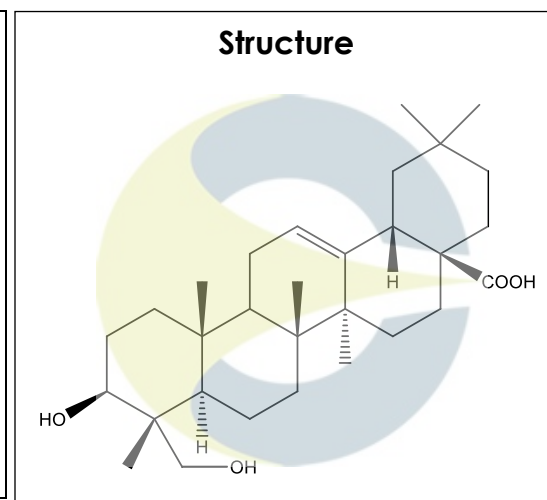


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PRODUCT NAME	Hederagenin
PART NUMBER	00008071
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00008071-FAM
REPORT NUMBER	CDXA-RSS-7938-01
SAMPLE NUMBER	CDXP-18-00271
DATE OF SAMPLE	04/03/2018
DATE OF RE-EVALUATION	03/10/2022
DATE OF REPORT	04/01/2022



CHEMICAL NAMES	(3 β ,4 α)-3,23-Dihydroxyolean-12-en-28-oic acid; Astrantiagenin E; Caulosapogenin; Hederagenic acid; Hederagenol
CHEMICAL FORMULA	C ₃₀ H ₄₈ O ₄
MOLECULAR WEIGHT (MW)	472.70
CHEMICAL FAMILY	Triterpenes
CAS NUMBER	[465-99-6]
EC#(EINECS)	207-369-9
RTECS	RK0177850

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH22	≥ 75%	97.7%
Mass Spectrum	99.1-04-3.0-000126	Conforms	Conforms
Appearance	NA	NA	White powder

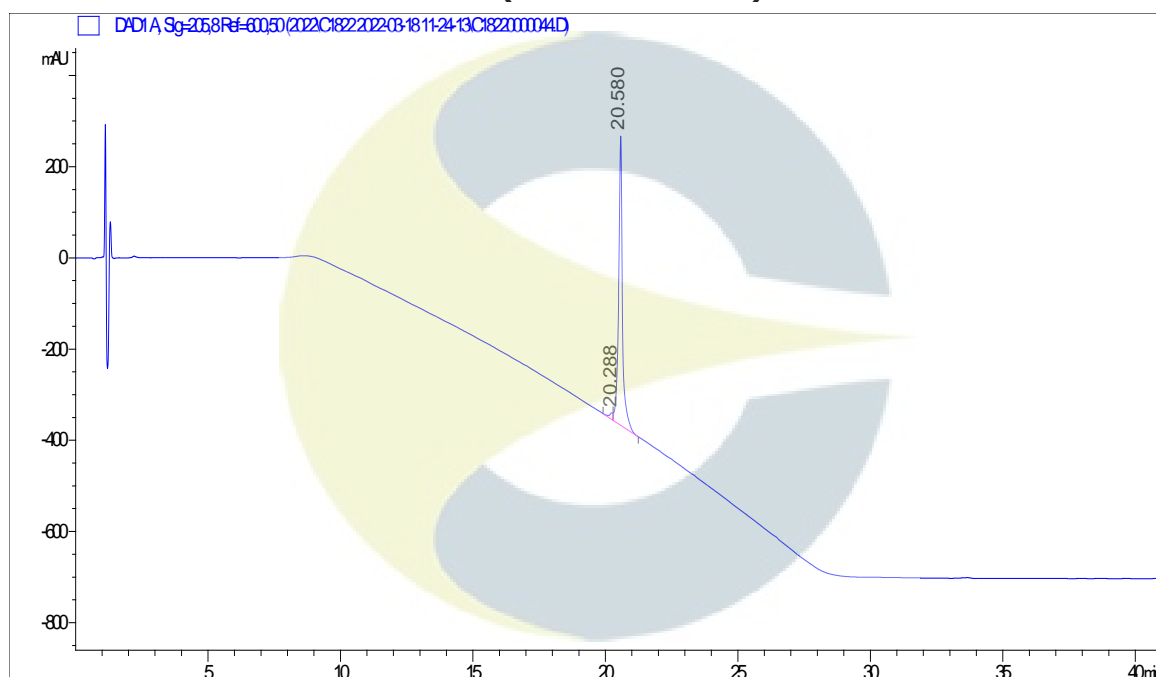
STORAGE CONDITIONS

STORAGE	Room Temperature in a dry place.
EXPIRATION DATE	03/2027 under the above conditions.

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ANALYTICAL CONDITIONS

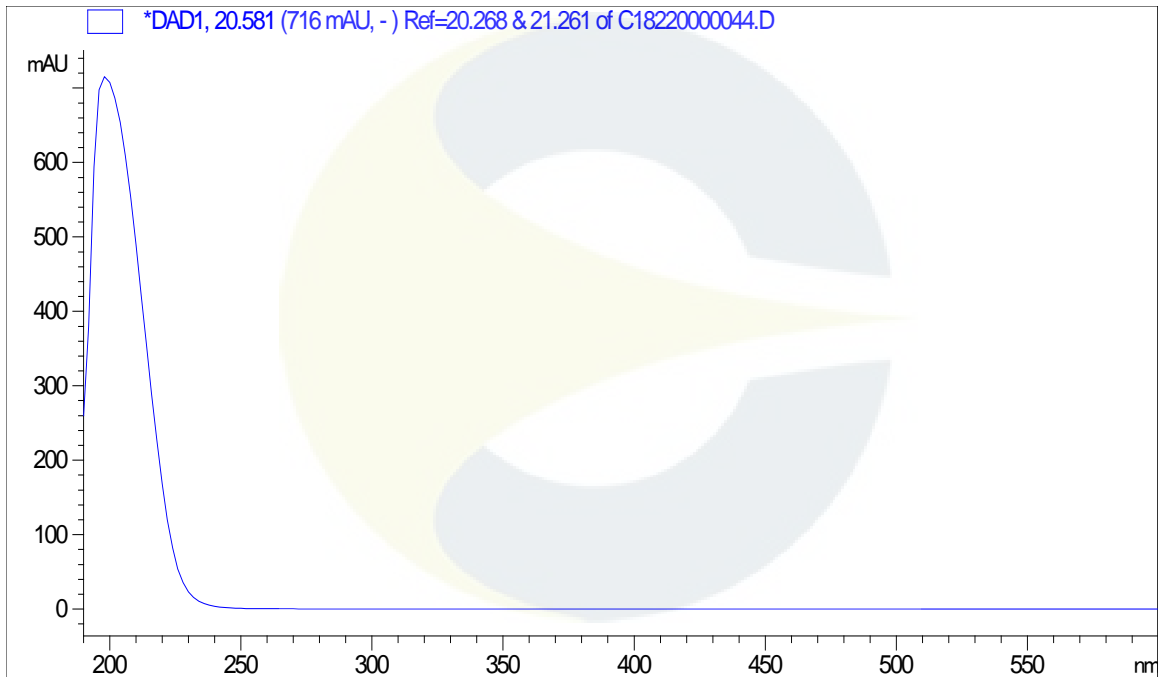
INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
MOBILE PHASE	A - 0.1% Trifluoroacetic acid in Ultrapure water, B - Acetonitrile; Isocratic 5% B for 5 minutes, then increasing to 95% B over 20 minutes. Hold at 95% B for 15 minutes.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	4.0 µL
INJECTION CONC.	1.0 mg/mL in Methanol
DETECTION	205 ± 4 nm

HPLC CHROMATOGRAM OF HEDERAGENIN (CDXP-18-00271)


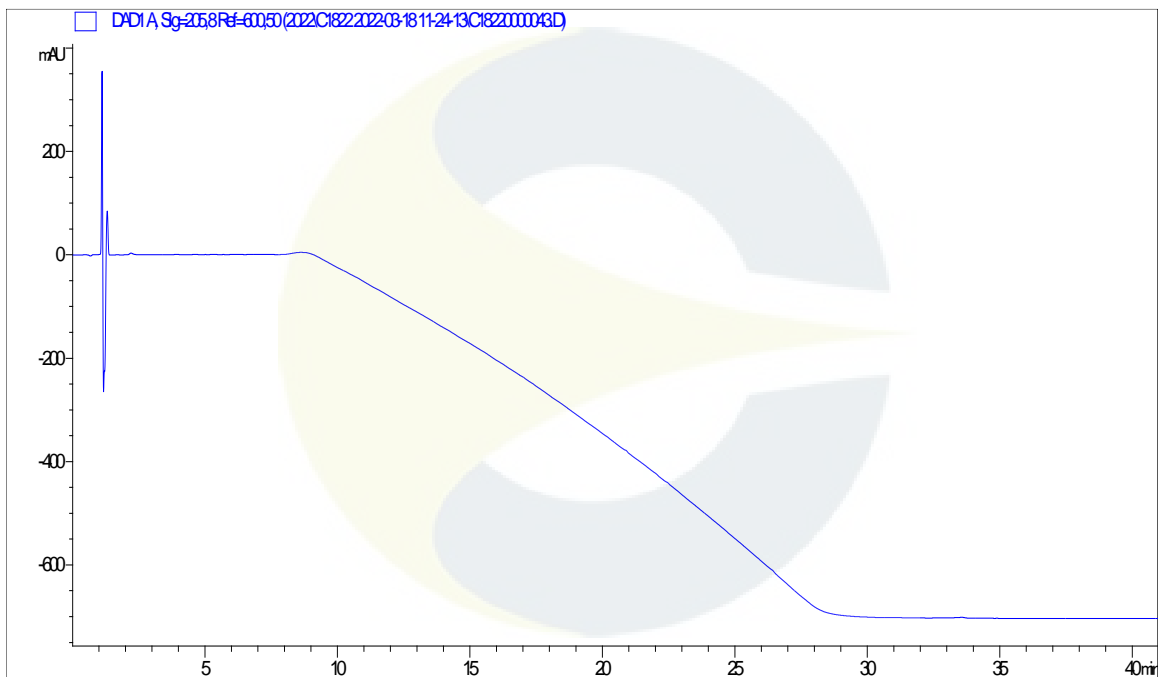
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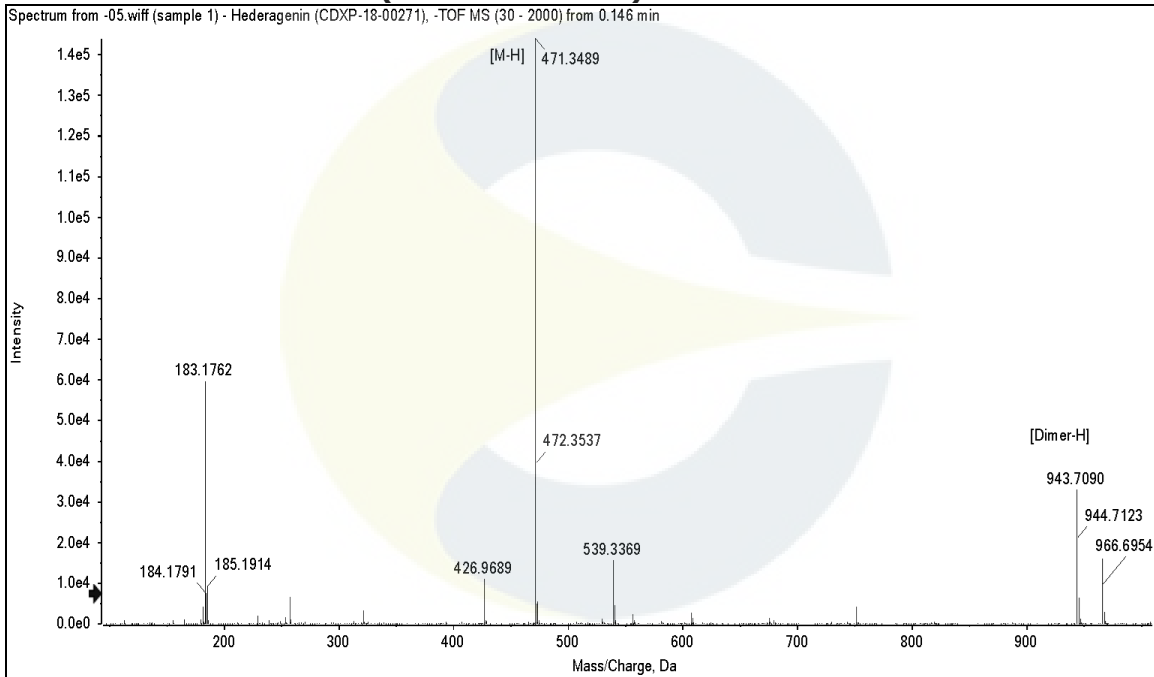
UV SPECTRUM AT RT = 20.6 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



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MASS SPECTRUM OF HEDERAGENIN (CDXP-18-00271)

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	04/20/2018	New report
01	04/01/2022	Passed re-evaluation by HPLC, Updated expiration date, analytical conditions, chromatograms and results.

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