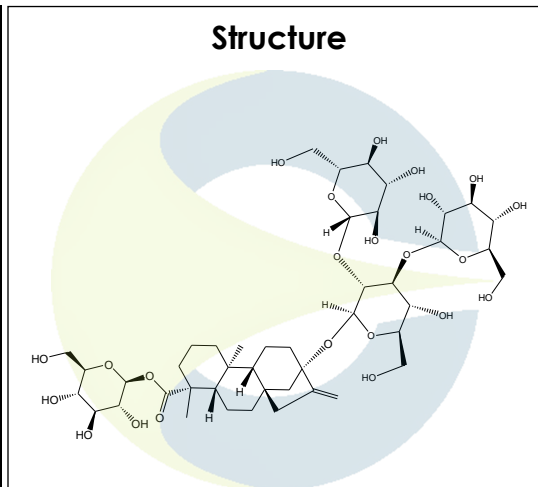


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PRODUCT NAME	Rebaudioside A	 <p>Structure</p>
PART NUMBER	00018226	
STANDARD TYPE	Primary (P)	
LOT NUMBER	00018226-P36	
REPORT NUMBER	CDXA-RSS-8065-01	
SAMPLE NUMBER	CDXP-18-00448	
DATE OF SAMPLE	05/30/2018	
DATE OF RE-EVALUATION	04/11/2022	
DATE OF REPORT	05/02/2022	

CHEMICAL NAMES	(4 α)-13-[[O- β -D-glucopyranosyl-(1 \rightarrow 2)-O-[β -D-glucopyranosyl-(1 \rightarrow 3)]- β -D-glucopyranosyl]oxy]-kaur-16-en-18-oic acid β -D-glucopyranosyl ester; Stevioside a ₃ ; Rebiana
CHEMICAL FORMULA	C ₄₄ H ₇₀ O ₂₃
MOLECULAR WEIGHT (MW)	967.01
CHEMICAL FAMILY	Diterpene glycosides
CAS NUMBER	[58543-16-1]
EC#(EINECS)	611-696-6
RTECS	NZ8174800

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	95.2%
HPLC	0.700.10.2.METH86	≥ 90%	99.1%
NMR	99.1-04-2.0-000122	Conforms to structure	Conforms to structure
Mass Spectrum	99.1-04-3.0-000126	Conforms	Conforms
Residual Solvent*	99.1-CDXA-3.0-000621	NA	ND
Water	0.700.12.37	NA	3.9%
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 95.2% IS BASED ON (100 - 0.0 SOLVENTS - 3.9 WATER) X 99.1% HPLC

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	04/2027 under the above conditions.

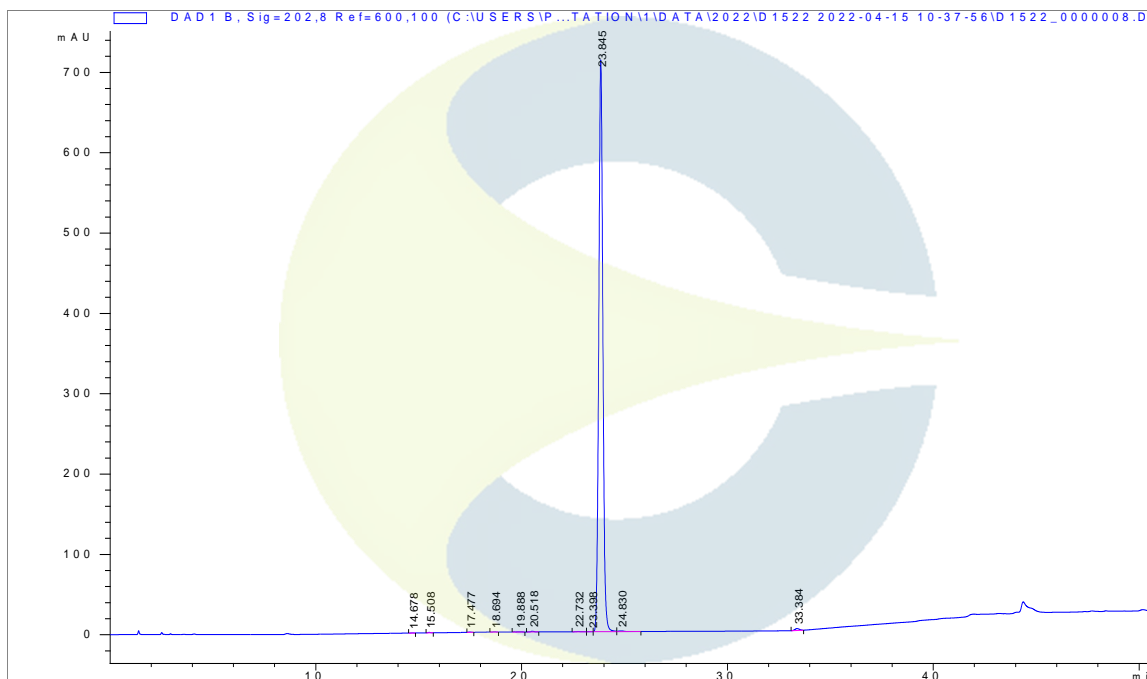
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD) DETECTOR, AB-SCIEX 6600 TRIPLE-TOF
COLUMN	Phenomenex Synergi Hydro-RP 250 x 4.6 mm, 4 µm particle size
MOBILE PHASE	A - Ultrapure water, B - Acetonitrile; Isocratic 20% B for 5 minutes, then increasing to 30% B over 10 minutes, then increasing to 35% over 15 minutes, then increasing to 80% over 10 minutes, then increasing to 90% B over 5 minutes. Hold at 90% B for 5 minutes.
COLUMN TEMP.	60 °C
FLOW RATE	1.0 mL/minute
INJECTION VOL.	20.0 µL
INJECTION CONC.	1.1 mg/mL in (70:30) Ultrapure Water : Acetonitrile
DETECTION	202 ± 4 nm

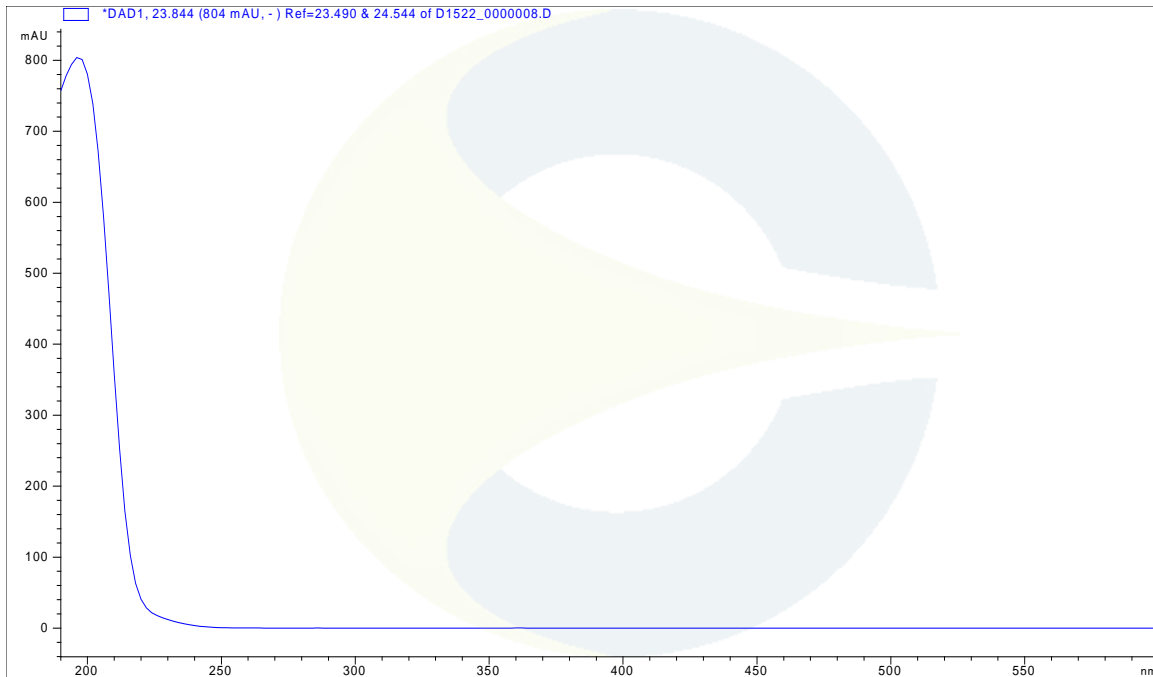
HPLC CHROMATOGRAM OF REBAUDIOSIDE A (CDXP-18-00448)



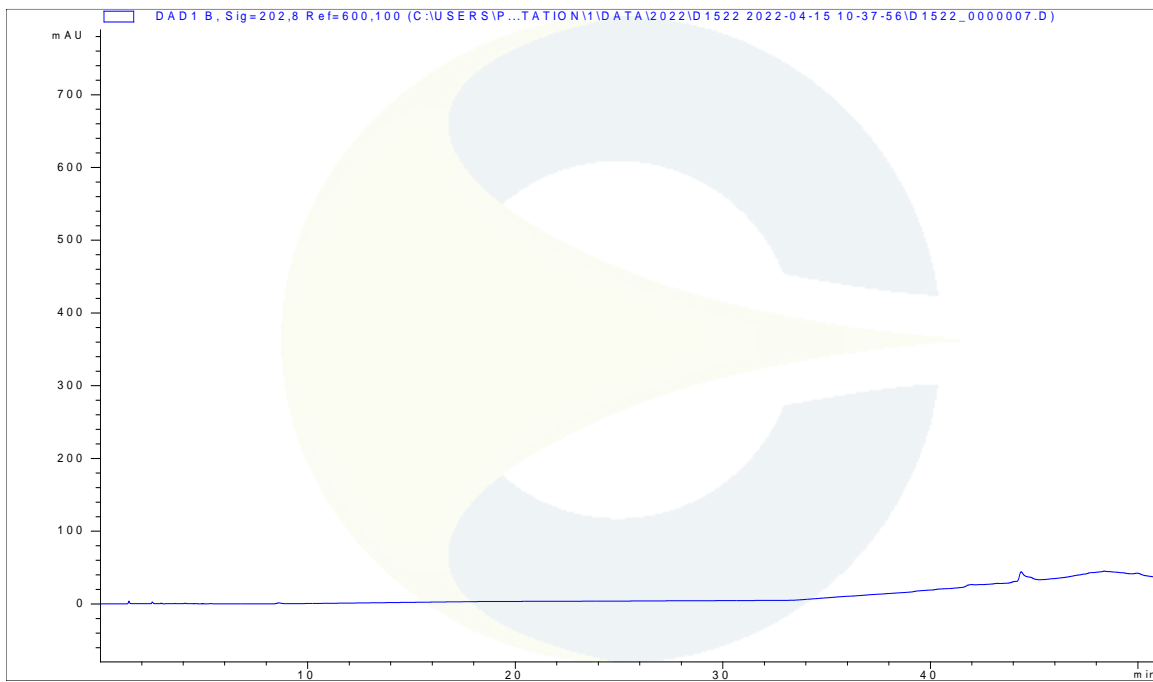
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UV SPECTRUM AT RT = 23.8 MINUTES



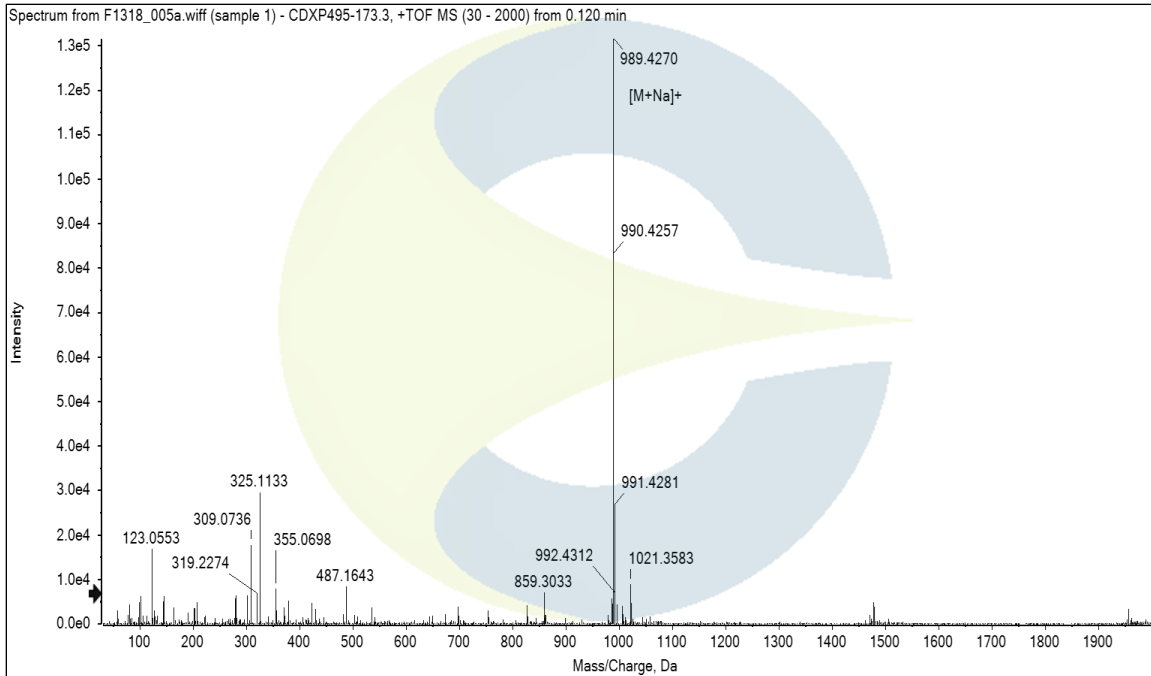
HPLC CHROMATOGRAM OF DILUENT BLANK



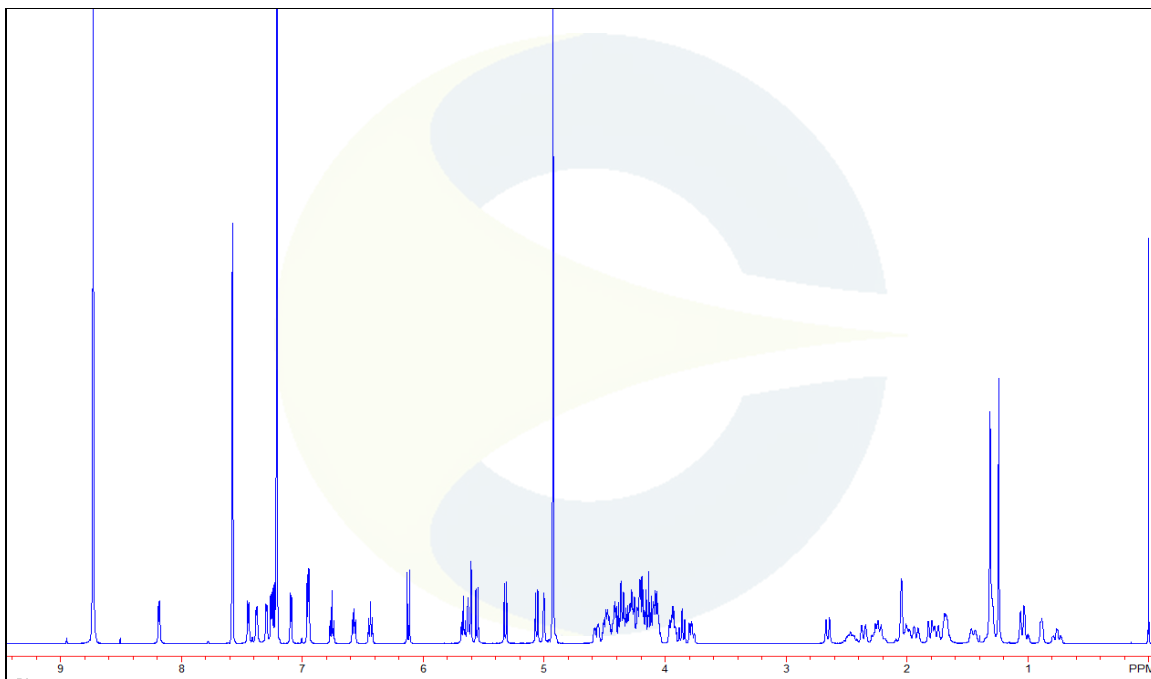
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MASS SPECTRUM OF REBAUDIOSIDE A (CDXP-18-00448)

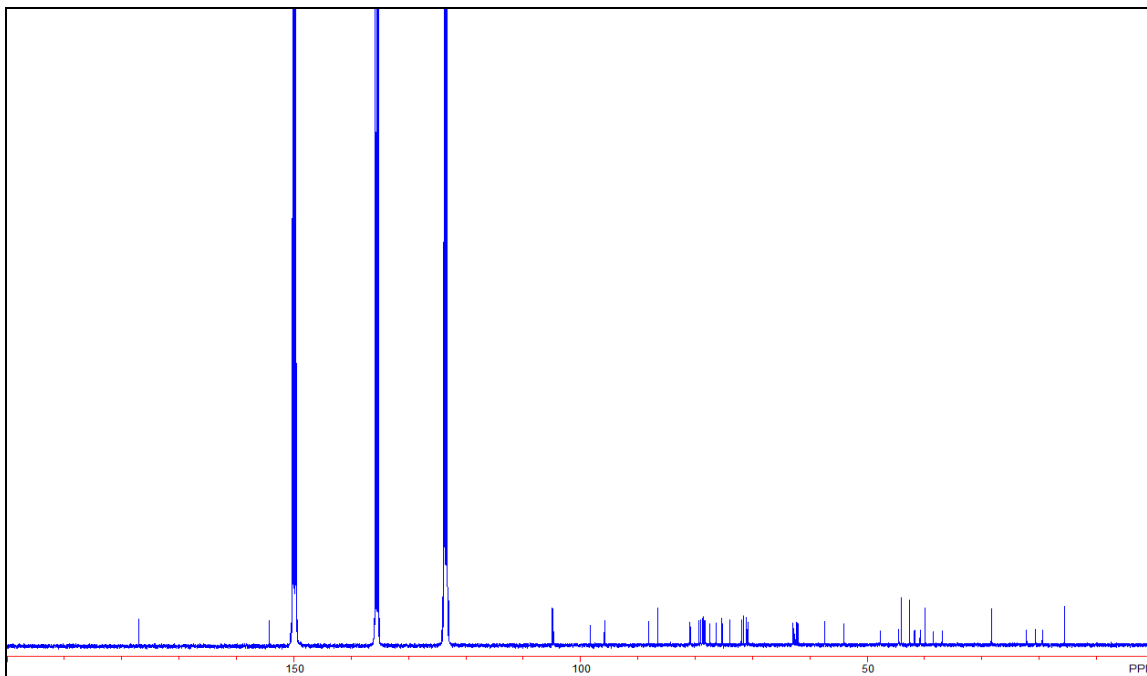


¹H-NMR SPECTRUM OF REBAUDIOSIDE A (CDXP-18-00448) IN PYRIDINE-d₅

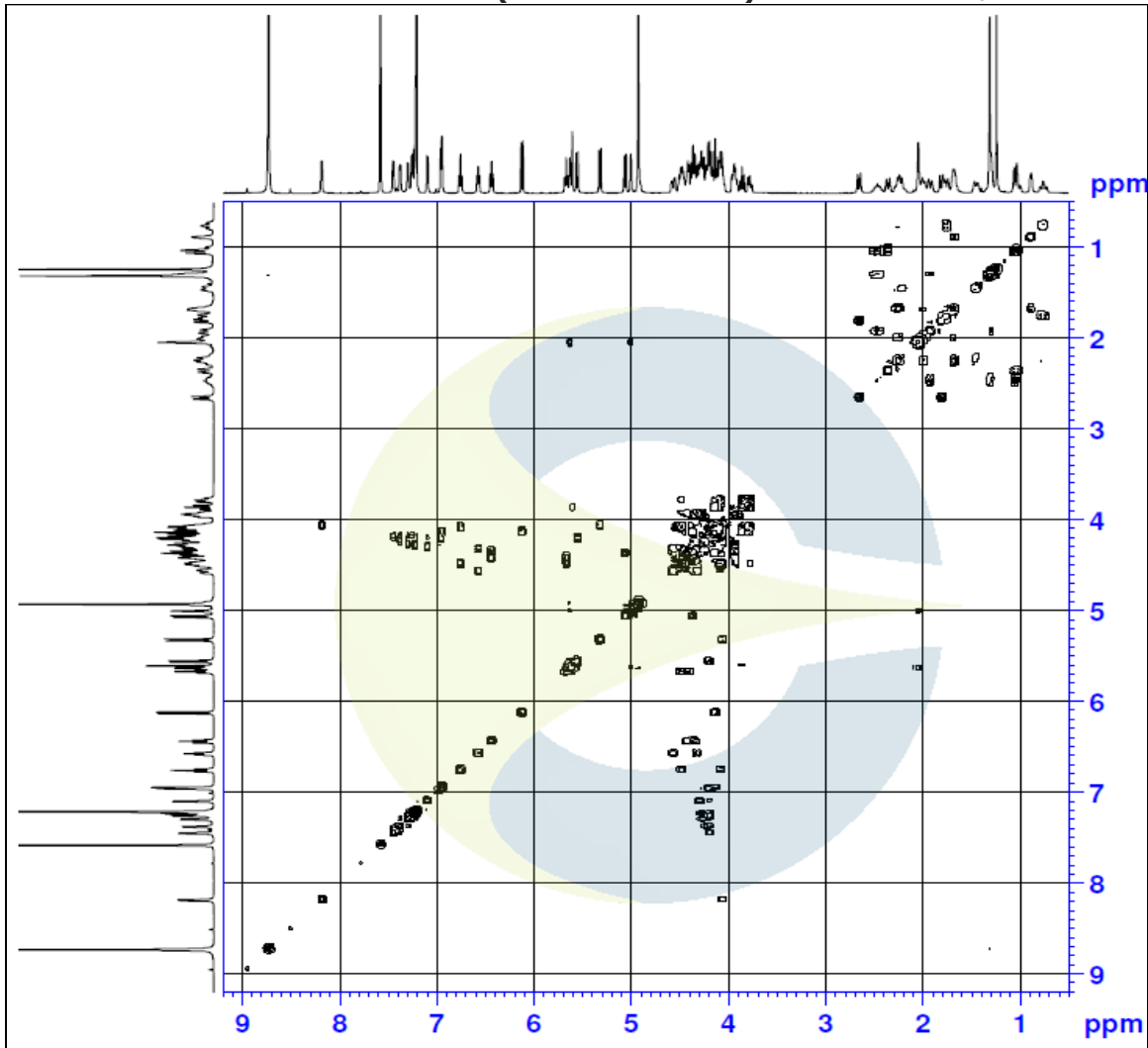


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¹³C-NMR SPECTRUM OF REBAUDIOSIDE A (CDXP-18-00448) IN PYRIDINE-*d*₅



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COSY-NMR SPECTRUM OF REBAUDIOSIDE A (CDXP-18-00448) IN PYRIDINE-*d*₅

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	06/22/2018	New report
01	05/02/2022	Passed re-evaluation by HPLC, KF. Updated expiration date, analytical conditions, chromatograms and results.

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