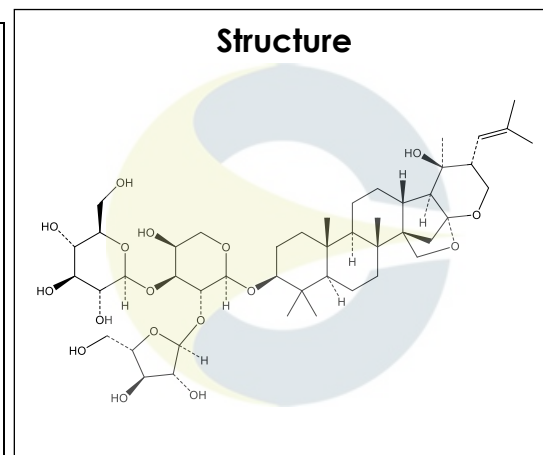


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PRODUCT NAME	Bacopasaponin C
PART NUMBER	00002008
STANDARD TYPE	Primary (P)
LOT NUMBER	00002008-741
REPORT NUMBER	CDXA-RSS-9238-00
SAMPLE NUMBER	CDXP-20-00861
DATE OF SAMPLE	12/09/2020
DATE OF REPORT	01/06/2021



CHEMICAL NAMES	(-)-Bacopasaponin C
CHEMICAL FORMULA	C ₄₆ H ₇₄ O ₁₇
MOLECULAR WEIGHT (MW)	899.07
CHEMICAL FAMILY	Saponins
CAS NUMBER	[178064-13-6]
EC#(EINECS)	N/A
RTECS	N/A

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	95.6%
HPLC	0.700.10.2.METH22	≥ 90%	98.1%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	ND
Water	0.700.12.37	NA	2.5%
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 95.6% IS BASED ON (100 - 0.0 SOLVENTS - 2.5 WATER) X 98.1% HPLC

STORAGE CONDITIONS

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

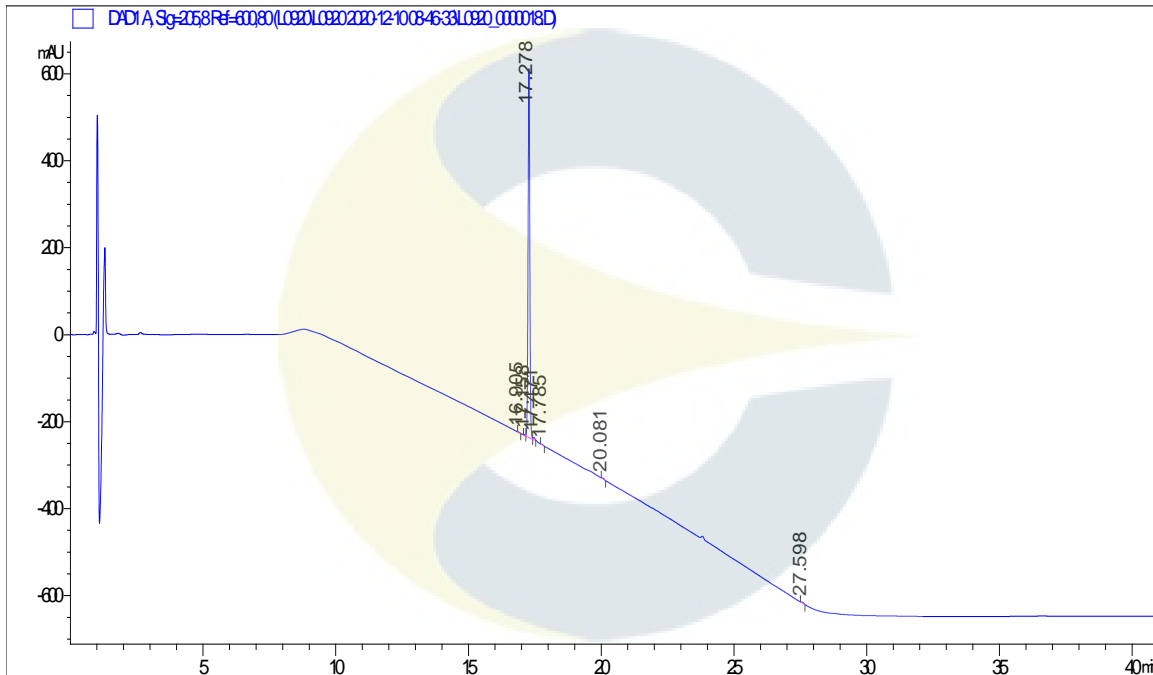
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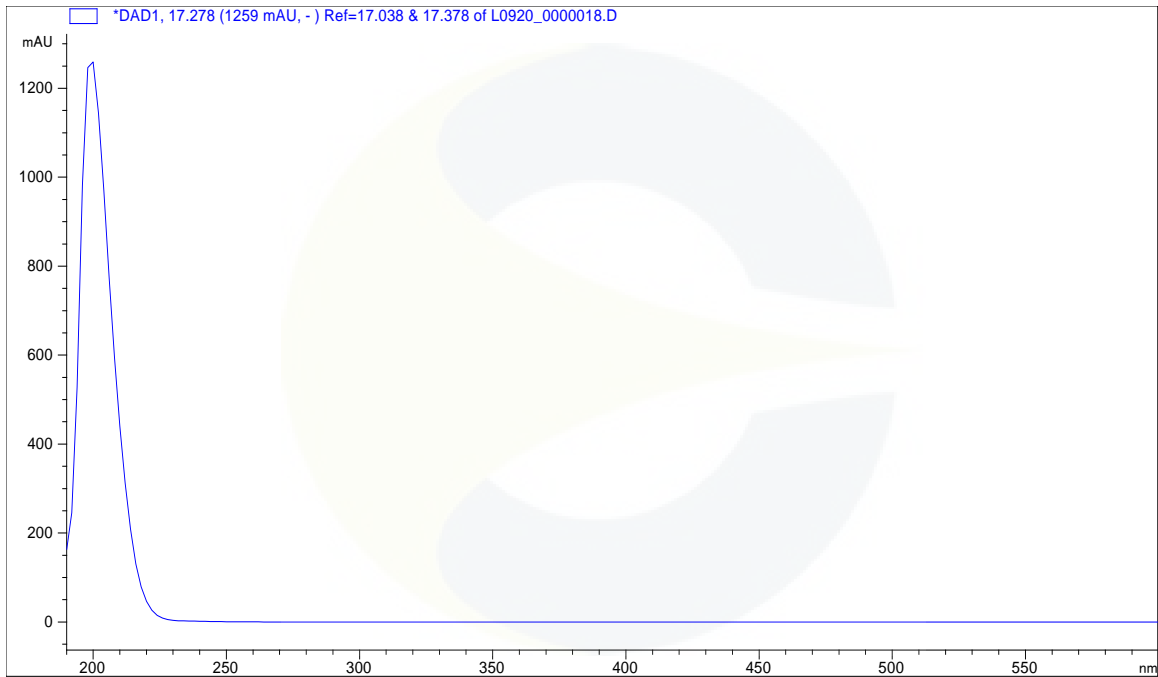
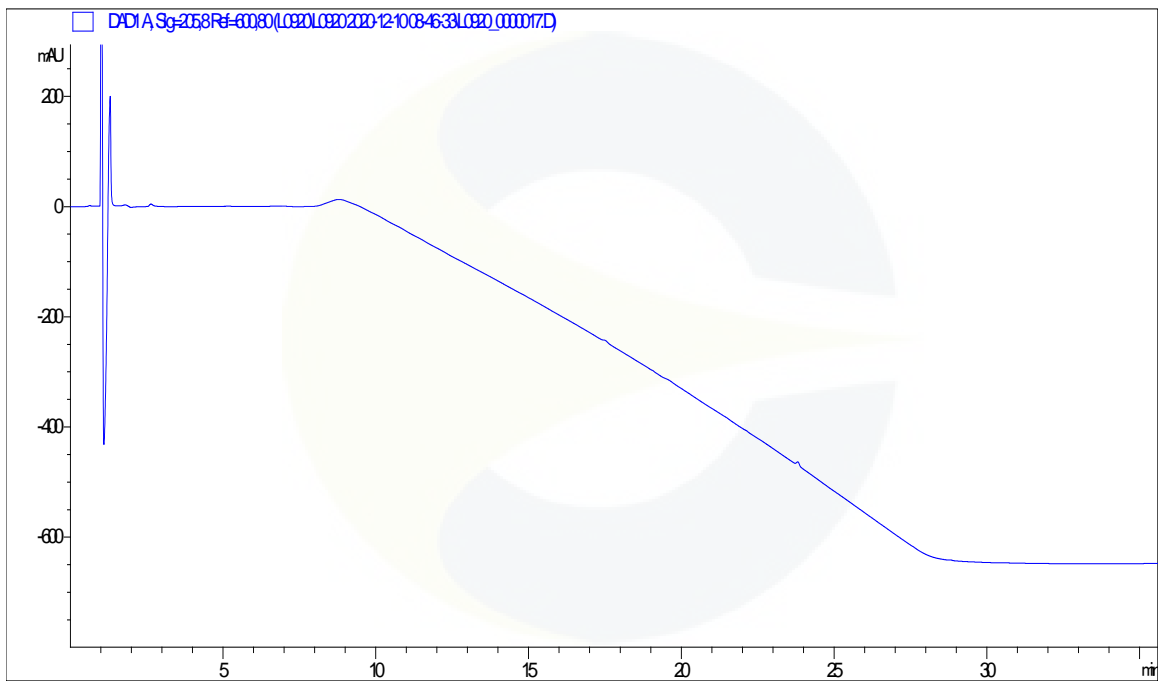
ANALYTICAL CONDITIONS

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, then decreasing to 5% B over 1 minute.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	4.0 µL
INJECTION CONC.	1.2 mg/mL in Methanol
DETECTION	205 ± 4 nm

HPLC CHROMATOGRAM OF BACOPASAPONIN C (CDXP-20-00861)



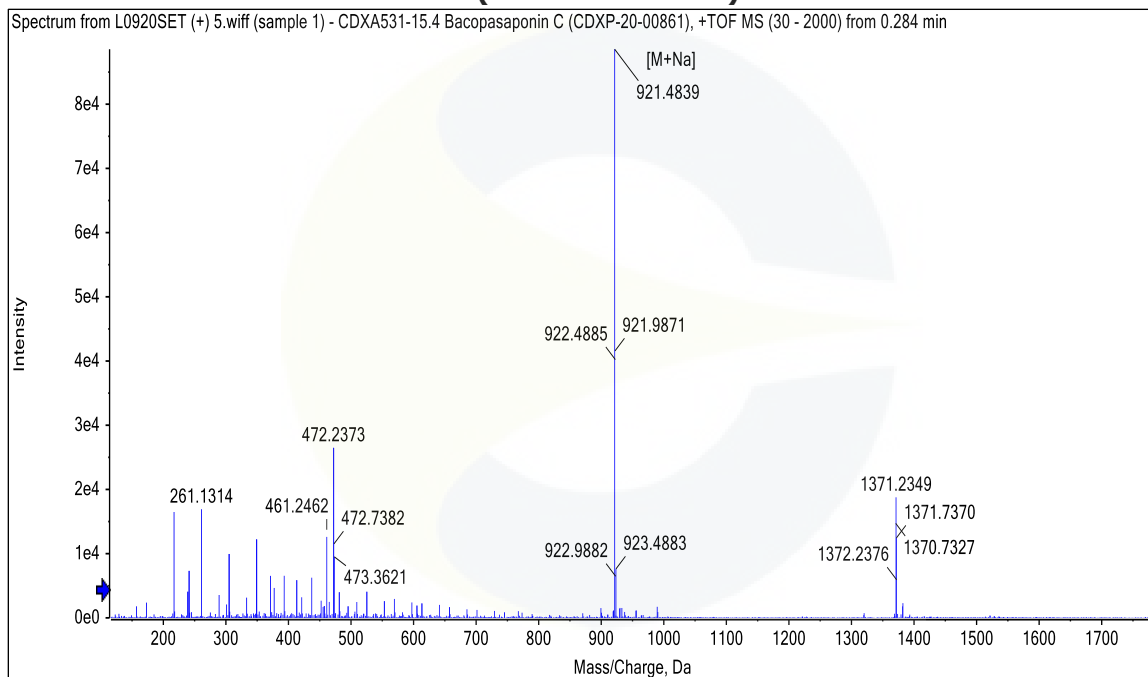
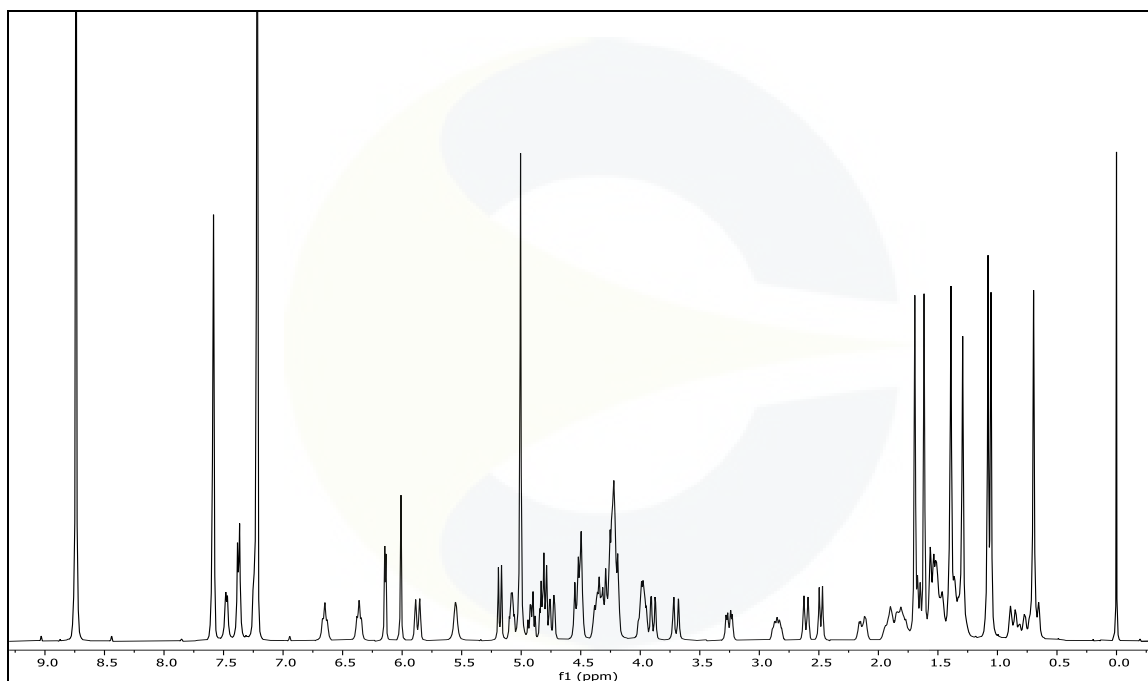
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UV SPECTRUM AT RT = 17.3 MINUTES

HPLC CHROMATOGRAM OF DILUENT BLANK


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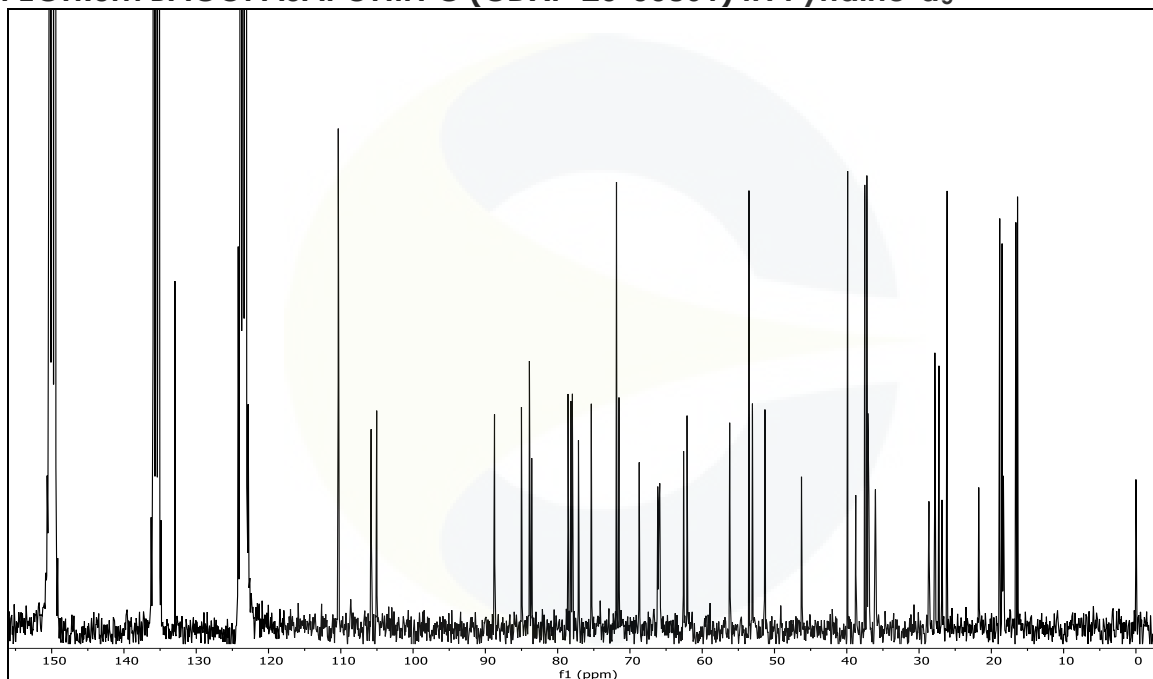
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 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

MASS SPECTRUM OF BACOPASAPONIN C (CDXP-20-00861)

¹H-NMR SPECTRUM OF BACOPASAPONIN C (CDXP-20-00861) in Pyridine-d₅


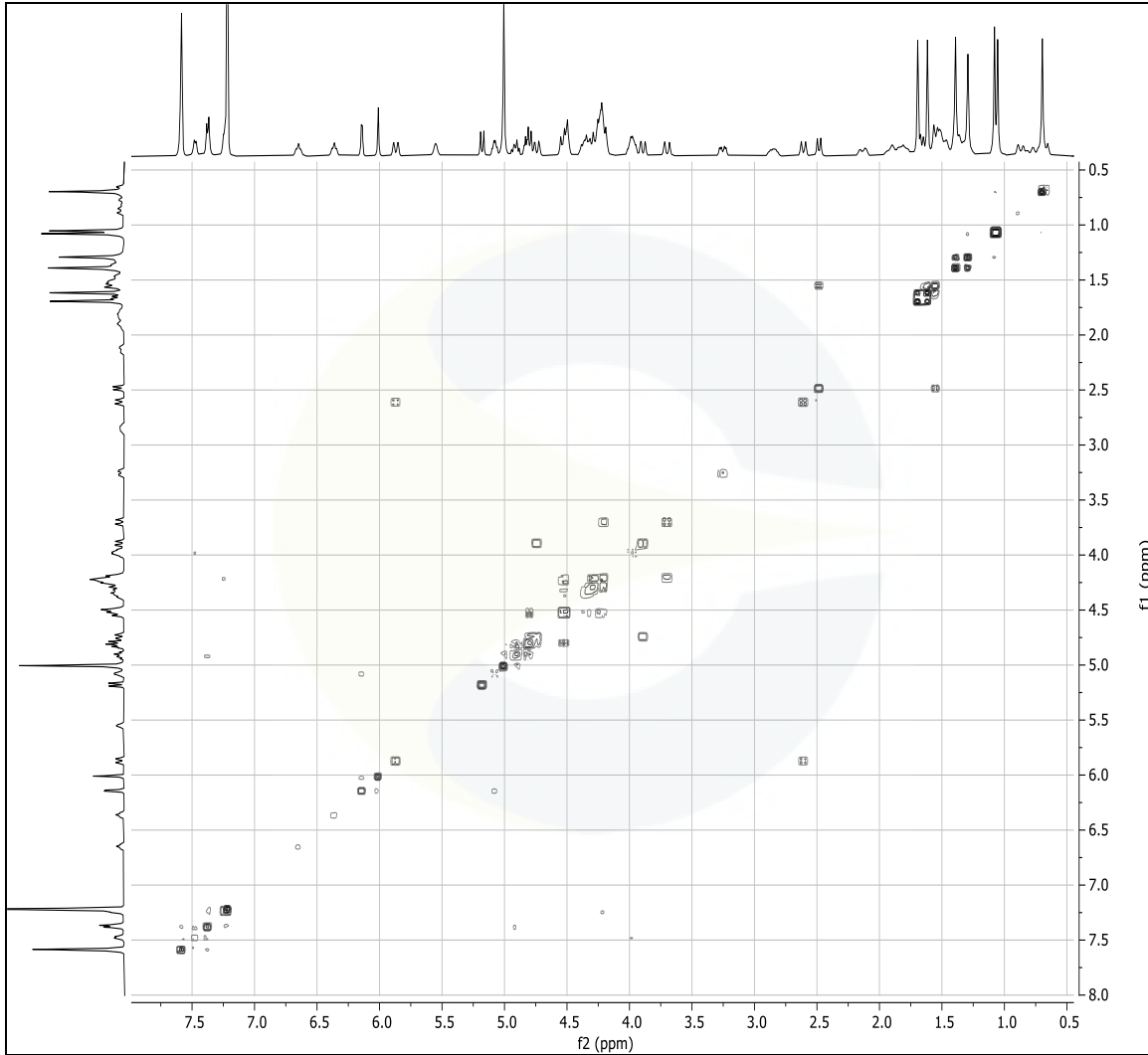
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¹³C-NMR SPECTRUM BACOPASAPONIN C (CDXP-20-00861) IN Pyridine-d₅

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COSY-NMR SPECTRUM OF BACOPASAPONIN C (CDXP-20-00861) IN Pyridine-d₅

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	01/06/2021	New report

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