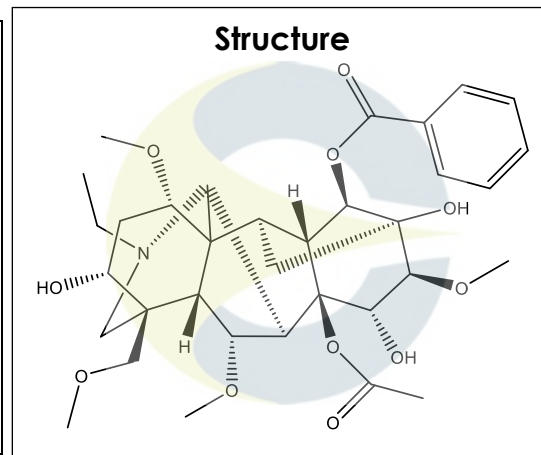


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PRODUCT NAME	Aconitine
PART NUMBER	00001340
STANDARD TYPE	Primary (P)
LOT NUMBER	00001340-924
REPORT NUMBER	CDXA-RSS-9065-00
SAMPLE NUMBER	CDXP-20-00438
DATE OF SAMPLE	06/18/2020
DATE OF REPORT	07/27/2020



CHEMICAL NAMES	(1 α ,3 α ,6 α ,14 α ,15 α ,16 β)-20-Ethyl-1,6,16-trimethoxy-4-(methoxymethyl)-aconitane-3,8,13,14,15-pentol-8-acetate-14-benzoate
CHEMICAL FORMULA	C ₃₄ H ₄₇ NO ₁₁
MOLECULAR WEIGHT (MW)	645.74
CHEMICAL FAMILY	Alkaloids
CAS NUMBER	[302-27-2]
EC#(EINECS)	206-121-7
RTECS	AR5960000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	NA	98.9%
HPLC	0.700.10.2.METH22	NA	99.0%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	Methanol – 0.1%
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.
 ADJUSTED PURITY: 98.9% IS BASED ON (100 - 0.1 SOLVENTS - 0.0 WATER) X 99.0% HPLC

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	06/2025 under the above conditions.

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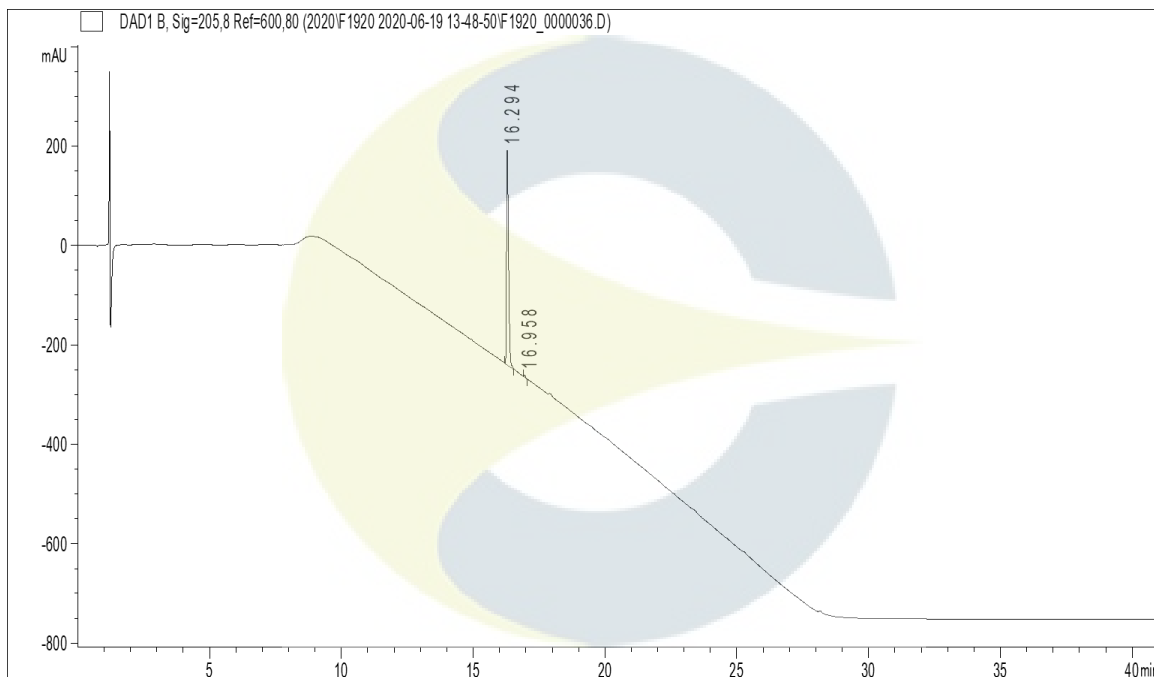
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ANALYTICAL CONDITIONS

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, then decreasing to 5% B over 1 minute.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	1.0 µL
INJECTION CONC.	1.1 mg/mL in Acetonitrile
DETECTION	205 ± 4 nm

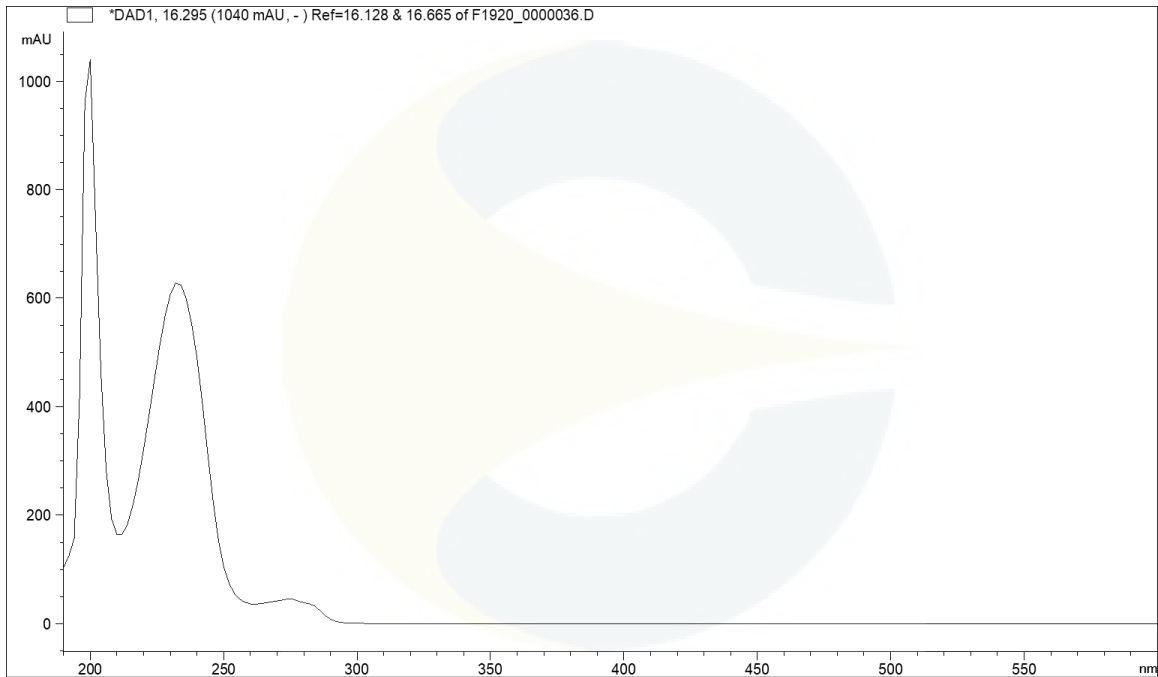
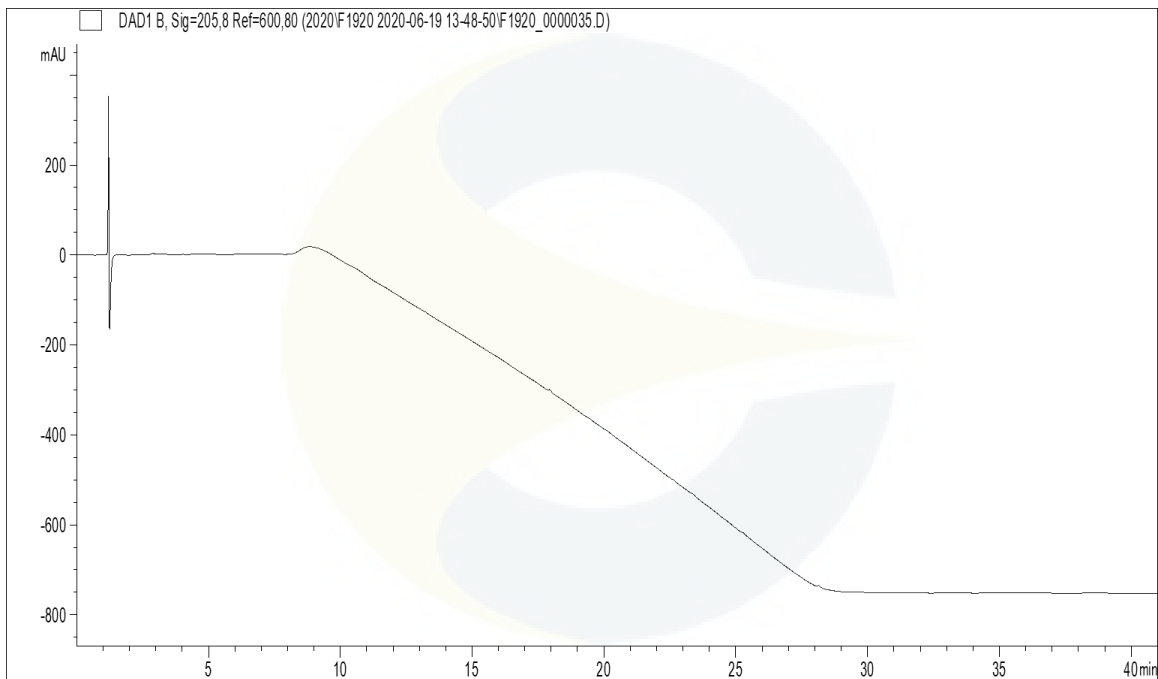
HPLC CHROMATOGRAM OF ACONITINE (CDXP-20-00438)



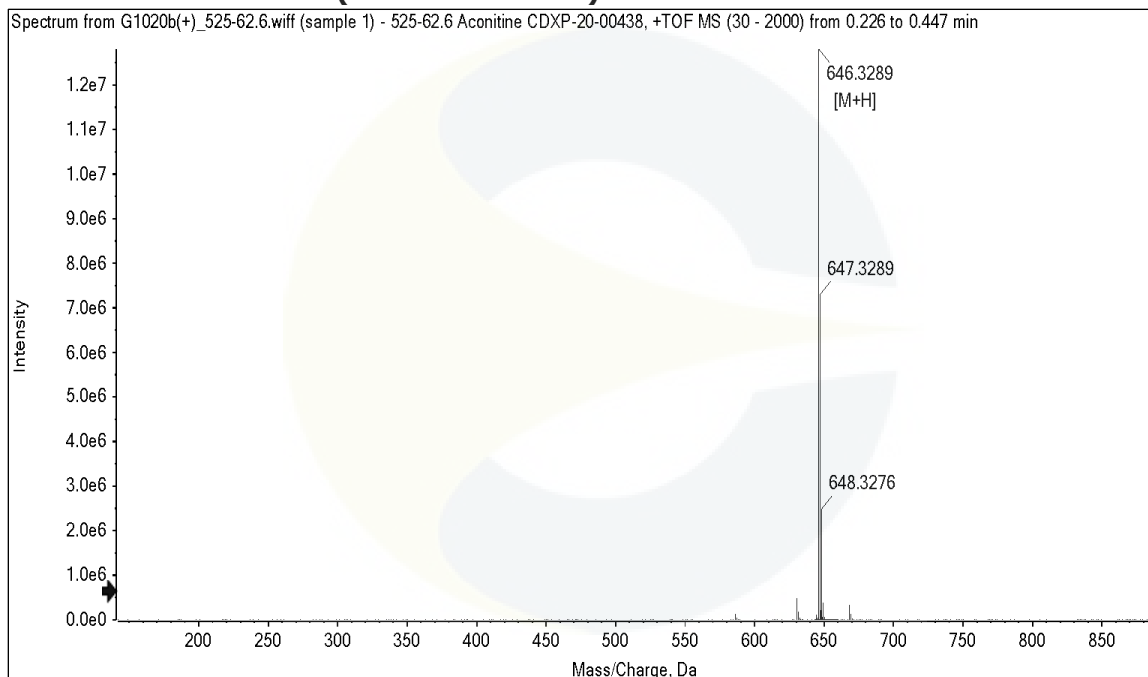
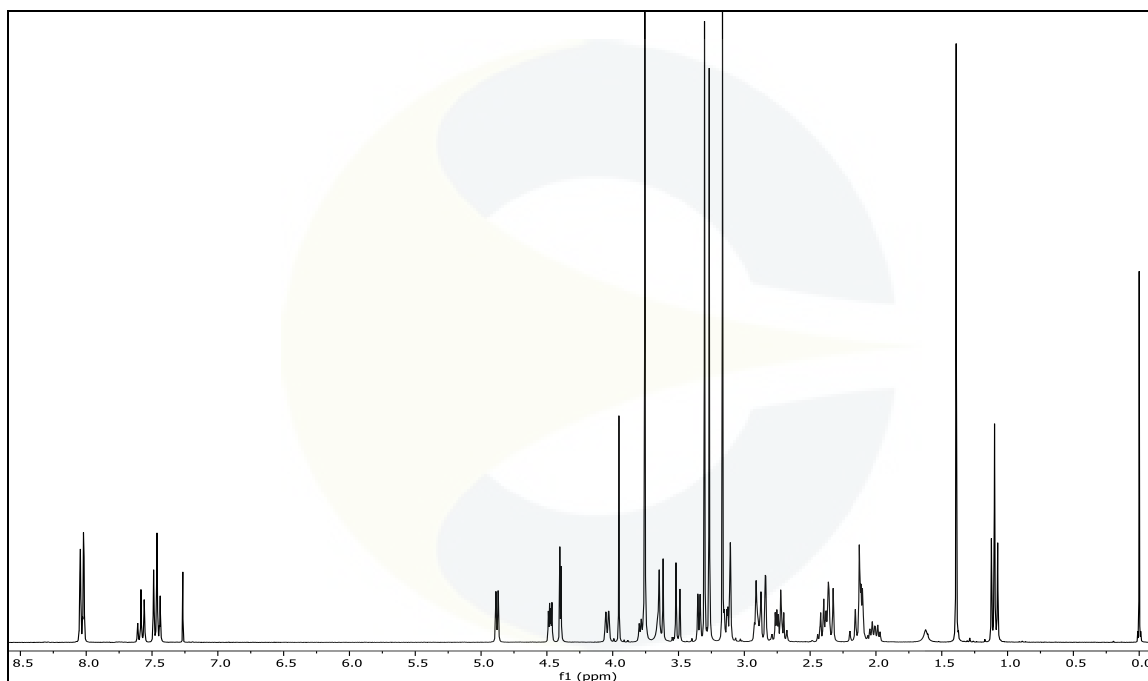
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UV SPECTRUM AT RT 16.3 MINUTES**HPLC CHROMATOGRAM OF DILUENT BLANK**

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MASS SPECTRUM OF ACONITINE (CDXP-20-00438)

¹H-NMR SPECTRUM OF ACONITINE (CDXP-20-00438) in CDCl₃ + TMS


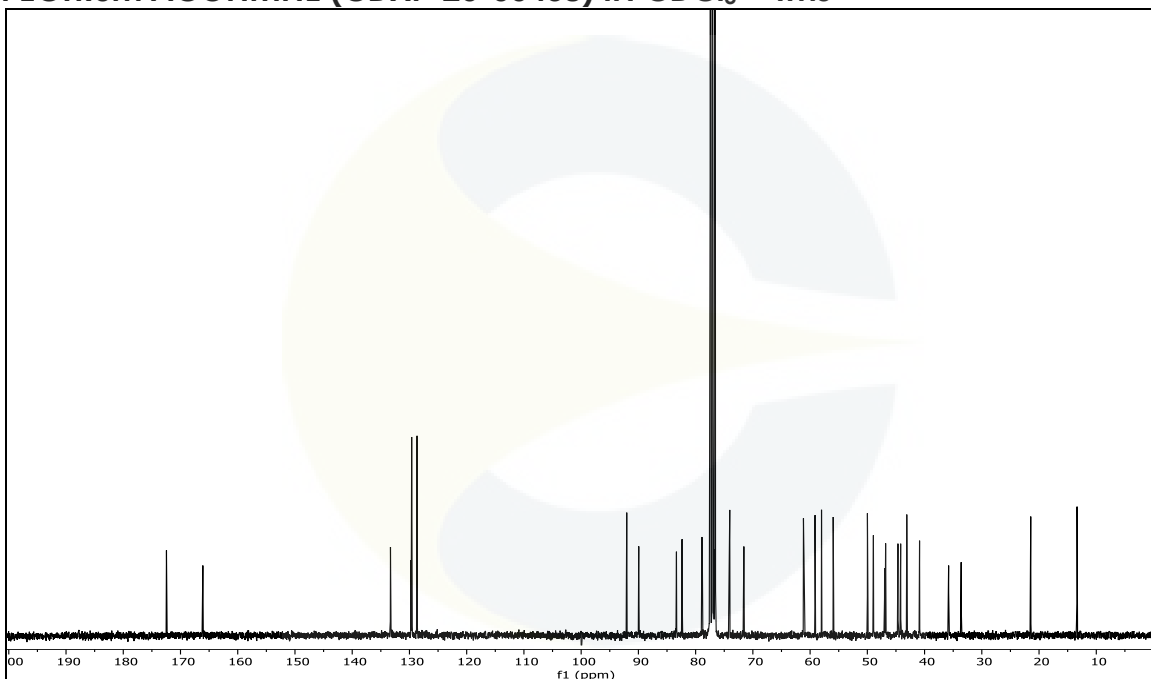
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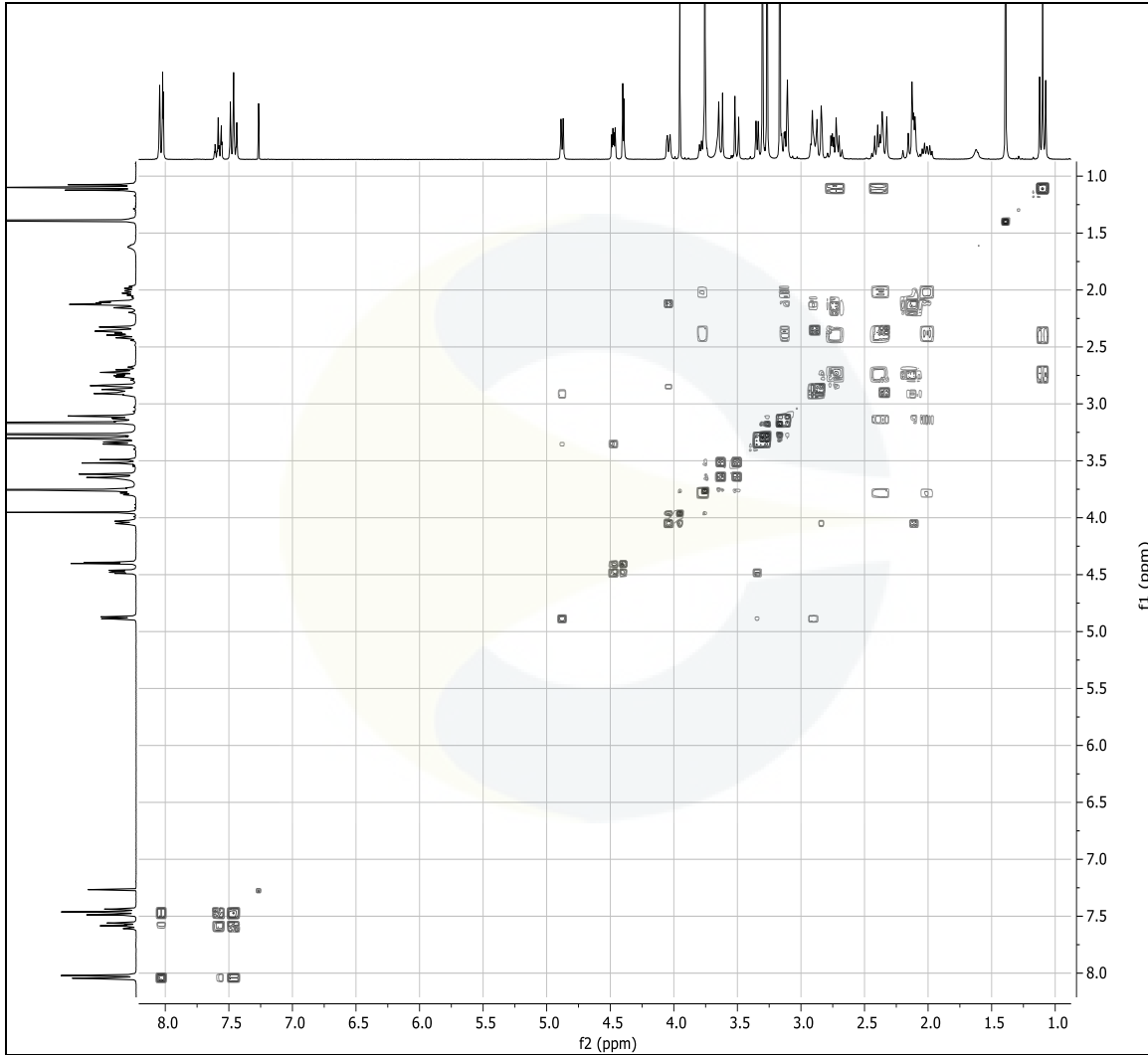
¹³C-NMR SPECTRUM ACONITINE (CDXP-20-00438) IN CDCl₃ + TMS



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COSY-NMR SPECTRUM OF ACONITINE (CDXP-20-00438) IN CDCl₃ + TMS

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	07/27/2020	New report

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