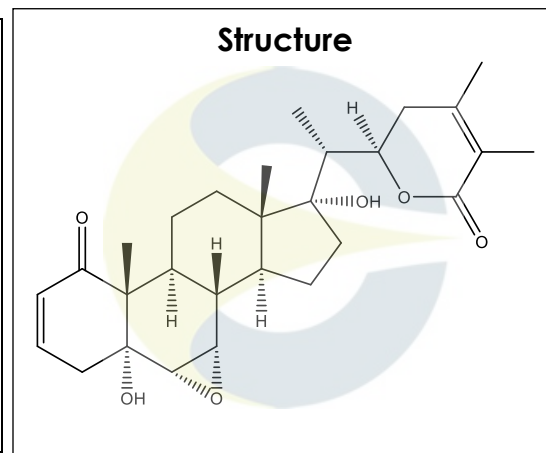


Certificate of Analysis
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PRODUCT NAME	Withanone
PART NUMBER	00023257
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00023257-J052
REPORT NUMBER	CDXA-RSS-9588-00
SAMPLE NUMBER	CDXP-21-00880
DATE OF SAMPLE	12/09/2021
DATE OF REPORT	12/17/2021



CHEMICAL NAMES	(22R)-6 α ,7 α -Epoxy-5,17,22-trihydroxy-1-oxo-5 α -ergosta-2,24-dien-26-oic acid δ -lactone
CHEMICAL FORMULA	C ₂₈ H ₃₈ O ₆
MOLECULAR WEIGHT (MW)	470.60
CHEMICAL FAMILY	Triterpenes
CAS NUMBER	[27570-38-3]
EC#(EINECS)	NA
RTECS	NA

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH22	≥ 75%	98.8%
Mass Spectrum	0.700.12.27	Conforms	Conforms
Appearance	NA	NA	White powder

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	12/2026 under the above conditions.

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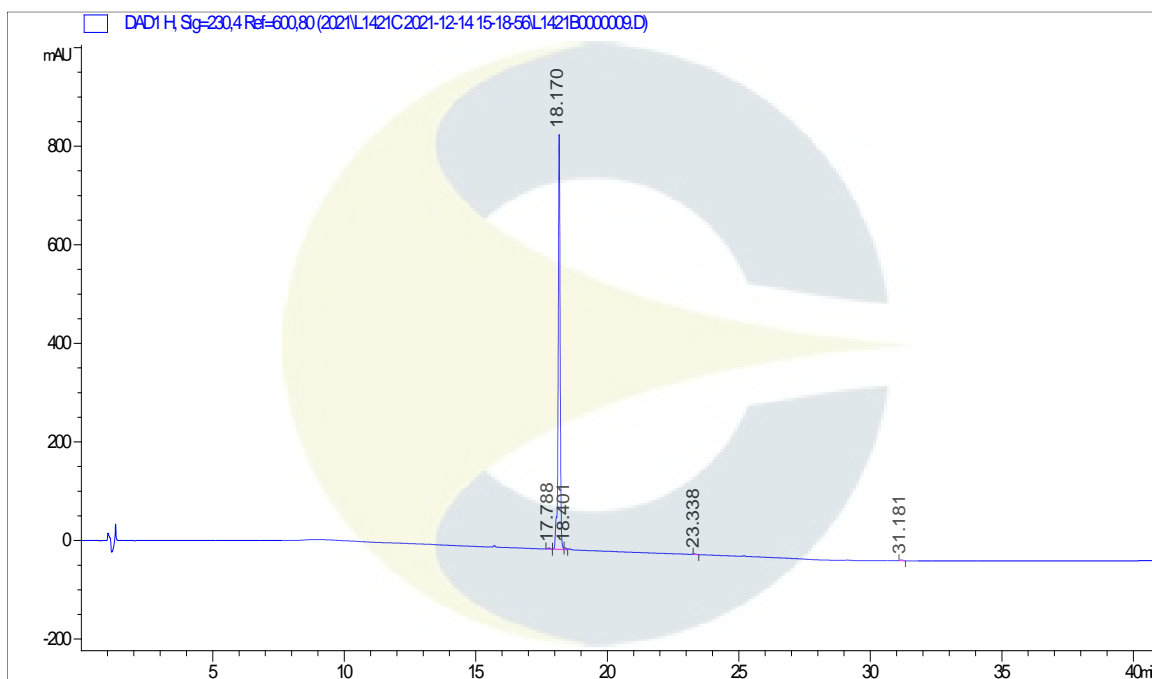
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ANALYTICAL CONDITIONS

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 for 1 minute.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	1.0 µL
INJECTION CONC.	1.0 mg/mL in Methanol
DETECTION	230 ± 2 nm

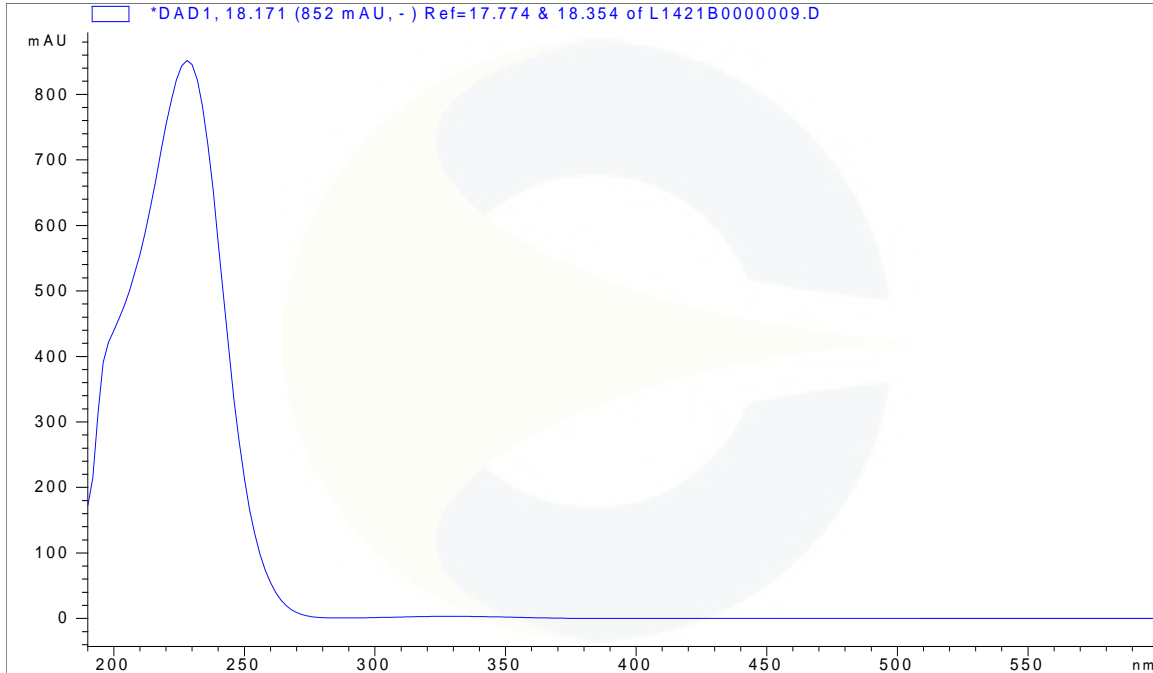
HPLC CHROMATOGRAM OF WITHANONE (CDXP-21-00880)



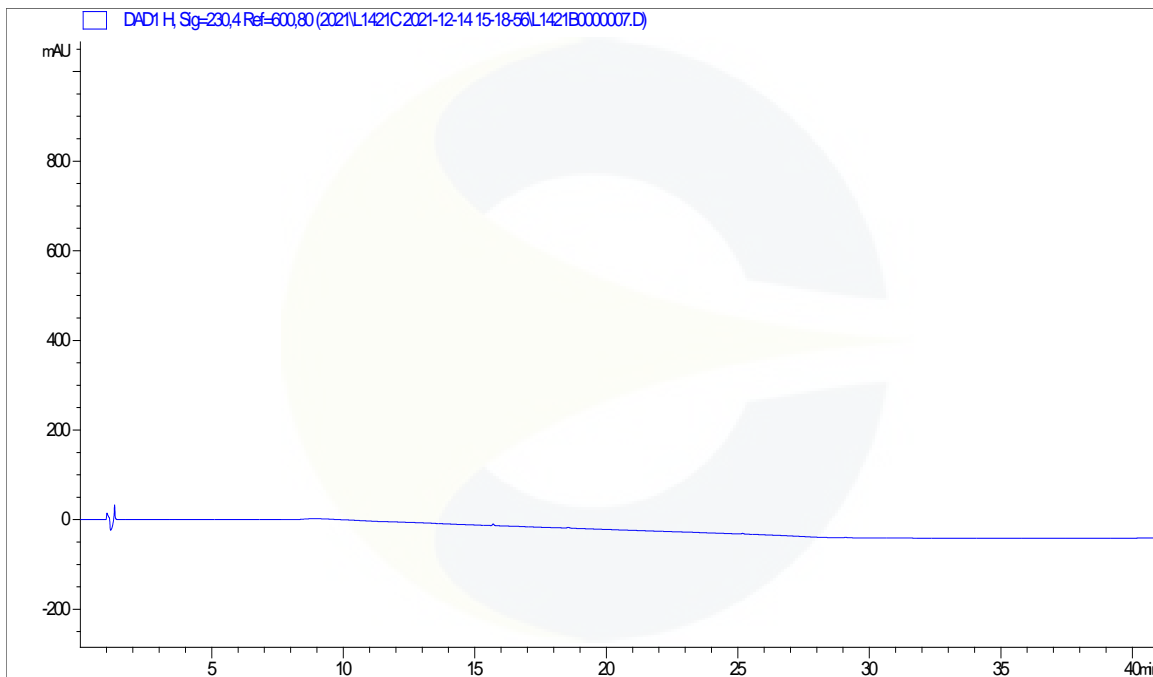
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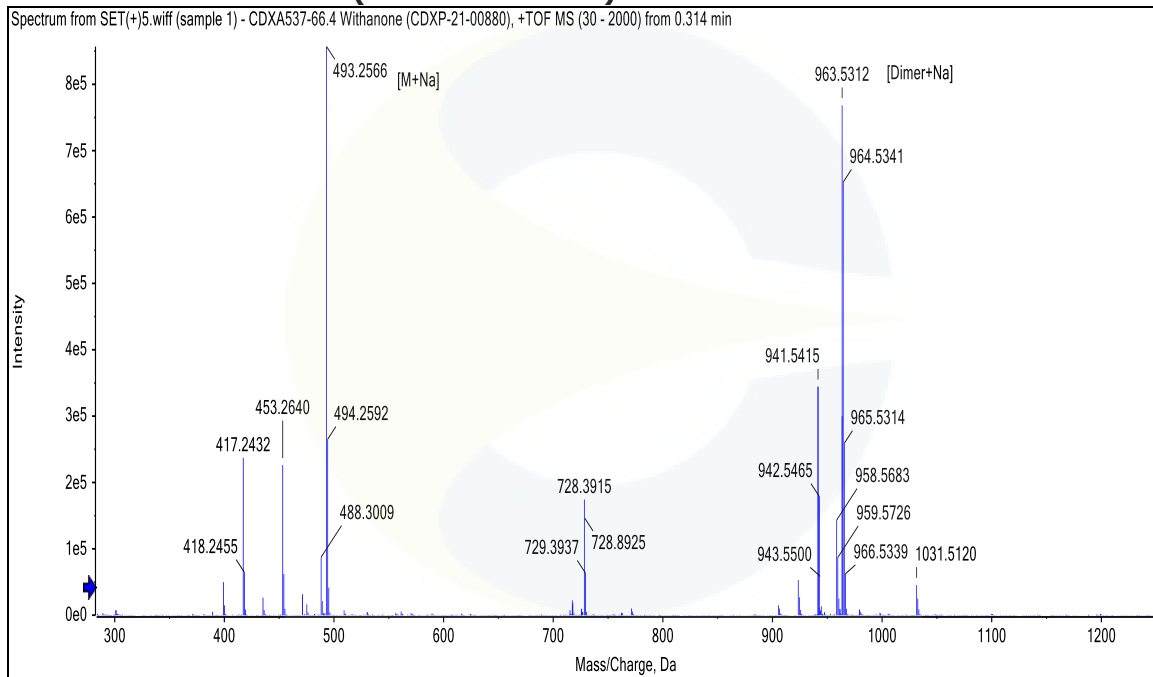
UV SPECTRUM AT 18.2 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



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MASS SPECTRUM OF WITHANONE (CDXP-21-00880)

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	12/17/2021	New report

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