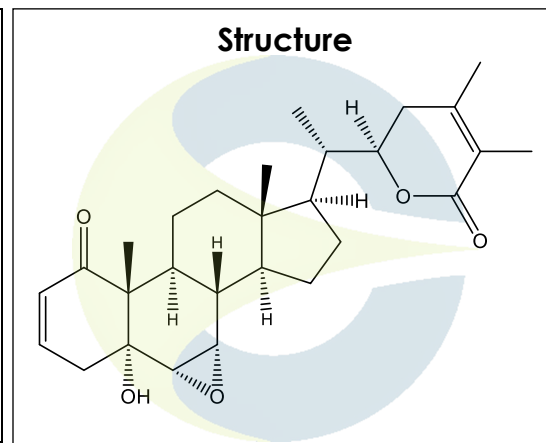


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PRODUCT NAME	Withanolide B
PART NUMBER	00023252
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00023252-G088
REPORT NUMBER	CDXA-RSS-9911-00
SAMPLE NUMBER	CDXP-22-00797
DATE OF SAMPLE	08/30/2022
DATE OF REPORT	09/16/2022



CHEMICAL NAMES	(5 α ,6 α ,7 α ,22R)-6,7-Epoxy-5,22-dihydroxy-1-oxo-ergosta-2,24-dien-26-oic acid δ -lactone; Lycium substance B
CHEMICAL FORMULA	C ₂₈ H ₃₈ O ₅
MOLECULAR WEIGHT (MW)	454.60
CHEMICAL FAMILY	Triterpenes
CAS NUMBER	[56973-41-2]
EC#(EINECS)	685-416-6
RTECS	NA

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH22	≥ 75%	98.7%
Mass Spectrum	0.700.12.27	Conforms	Conforms
Appearance	NA	NA	White powder

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	08/2027 under the above conditions.

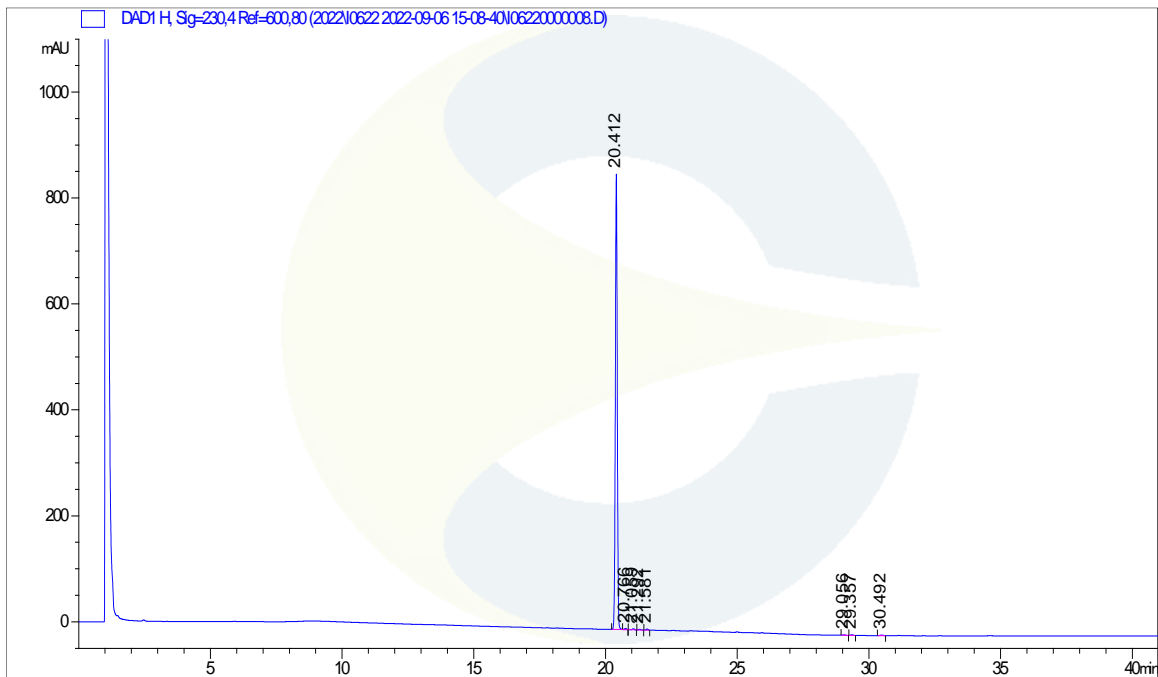
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ANALYTICAL CONDITIONS

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, 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.	1.0 mg/mL in Dimethyl Sulfoxide
DETECTION	230 ± 2 nm

HPLC CHROMATOGRAM OF WITHANOLIDE B (CDXP-22-00797)



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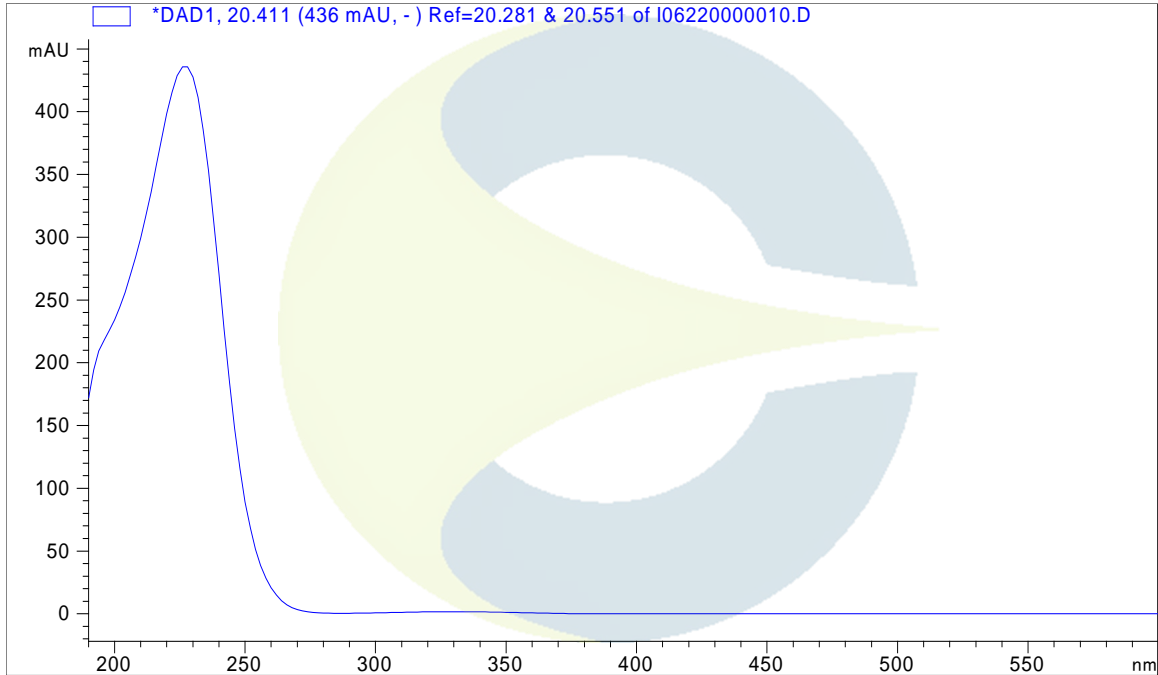
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 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

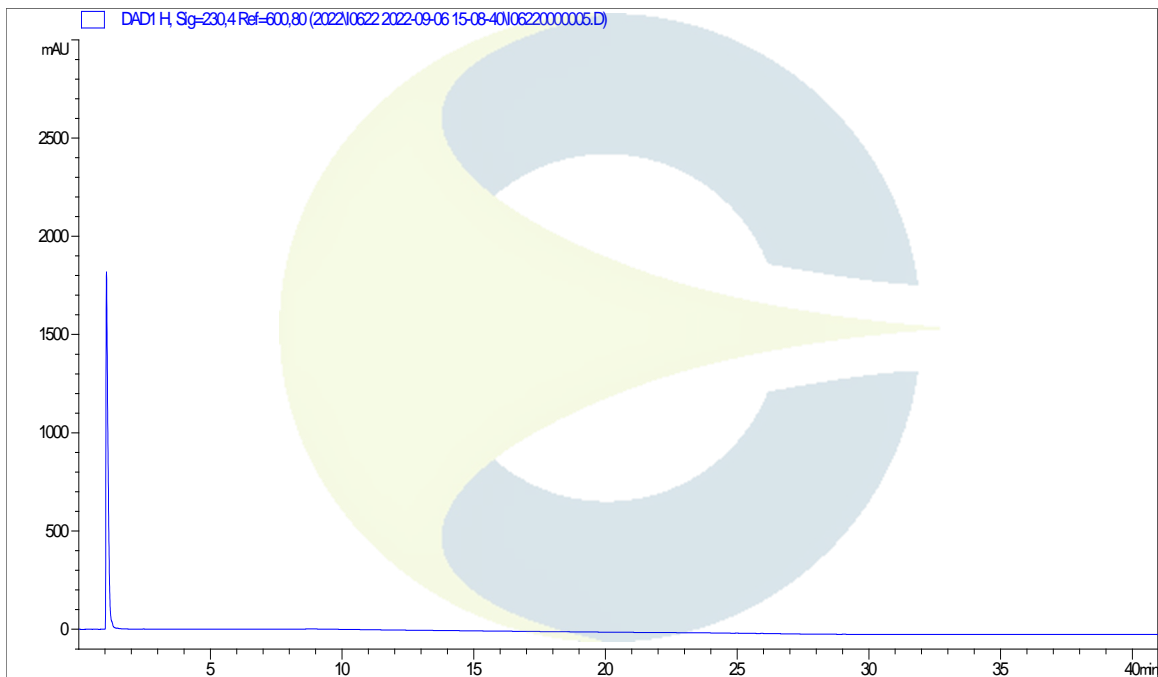
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UV SPECTRUM AT RT = 20.4 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



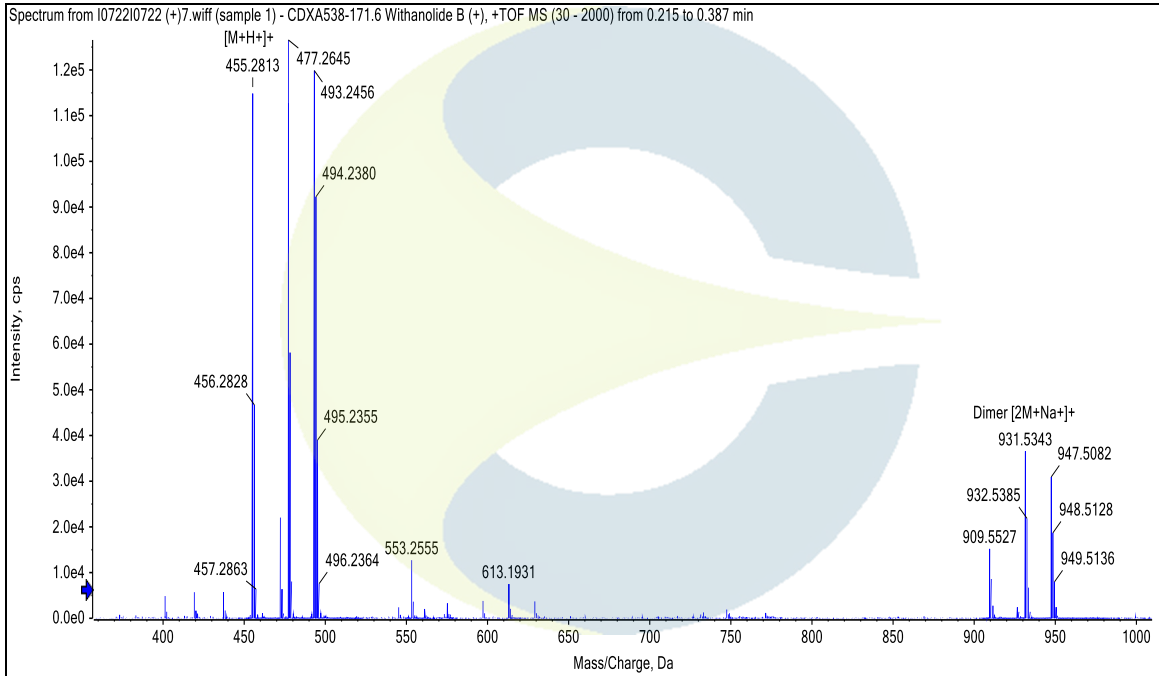
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MASS SPECTRUM OF WITHANOLIDE B (CDXP-22-00797)



REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	09/16/2022	New report

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