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PRODUCT NAME	Acetoxyvalerenic acid	Structure
PART NUMBER	00001090	
STANDARD TYPE	Primary (P)	
LOT NUMBER	00001090-290	Н
REPORT NUMBER	CDXA-RSS-8956-00	9,
SAMPLE NUMBER	CDXP-20-00307	
DATE OF SAMPLE	04/30/2020	но
DATE OF REPORT	06/03/2020	
CHEMICAL NAMES	(2E)-3-[(1R,4S,7R,7aR)-1-(acetyloxy)-2,4 inden-4-yl]-2-methyl-2-propenoic acid	,5,6,7,7a-hexahydro-3,7-dimethyl-1H-
CHEMICAL FORMULA	C17H24O4	
MOLECULAR WEIGHT (MW)	292.37	
CHEMICAL FAMILY	Terpenes	
CAS NUMBER	[84638-55-1]	
EC#(EINECS)	NA	
RTECS	NA	

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	NA	98.2%
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	ND
Water	0.700.12.37	NA	0.8%
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory. ADJUSTED PURITY: 98.2% IS BASED ON (100 - 0.0 SOLVENTS - 0.8 WATER) X 99.0% HPLC

STORAGE CONDITIONS

STORAGE -20 °C in a dry place.

EXPIRATION DATE 04/2025 under the above conditions.

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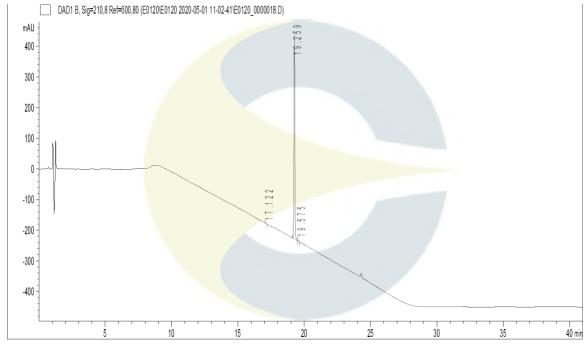
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AB–SCIEX 6600 TRIPLE TOF	
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 μ m 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.	0.5 μL	
INJECTION CONC.	1.0 mg/mL in Methanol	
DETECTION	210 ± 4 nm	

HPLC CHROMATOGRAM OF ACETOXYVALERENIC ACID (CDXP-20-00307)





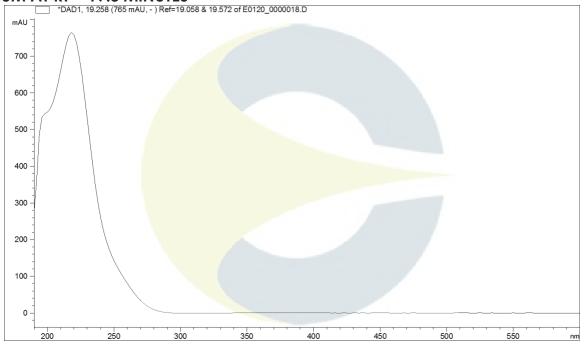


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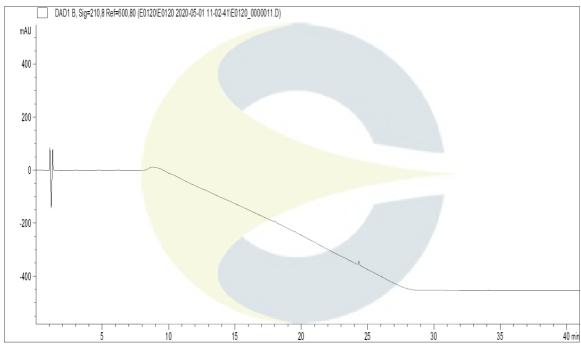
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UV SPECTRUM AT RT = 19.3 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



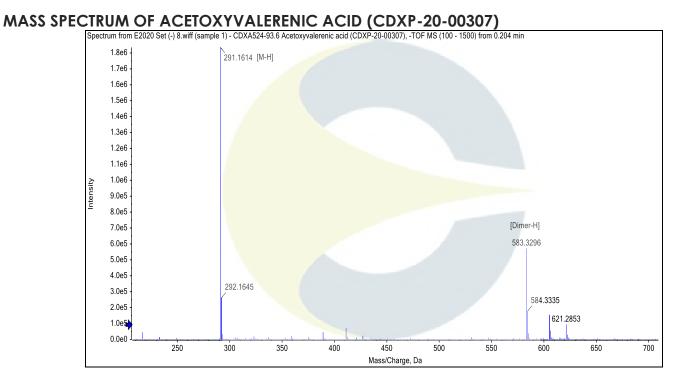




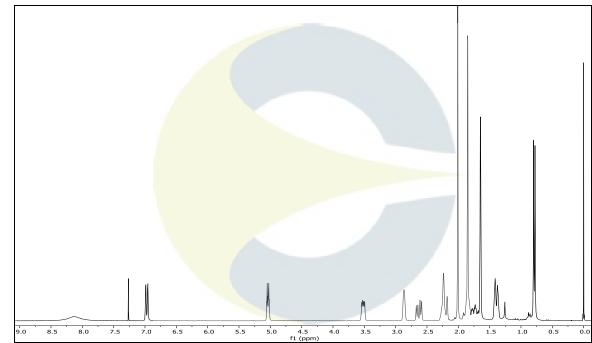
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1H-NMR SPECTRUM OF ACETOXYVALERENIC ACID (CDXP-20-00307) IN CDCI3 + TMS





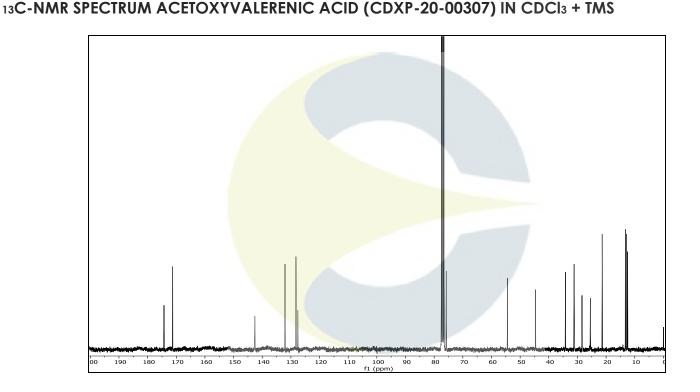


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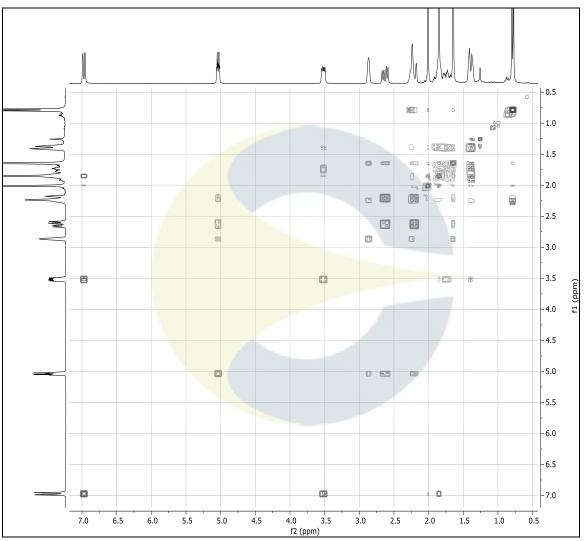
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COSY-NMR SPECTRUM OF ACETOXYVALERENIC ACID (CDXP-20-00307) IN CDCI3 + TMS



REVISION HISTORY

