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PRODUCT NAME	Saikosaponin B2	Structure
PART NUMBER	00019012	
STANDARD TYPE	Primary (P)	
LOT NUMBER	00019012-322	
REPORT NUMBER	CDXA-RSS-8604-00	ОН НОЛИЦИИ ОН
SAMPLE NUMBER	CDXP-19-00368	
DATE OF SAMPLE	05/30/2019	
DATE OF REPORT	06/25/2019	
CHEMICAL NAMES	(3β,4α,16α)-16,23,28-Trihydroxyoleana- glucopyranosyl-β-D-galactopyranoside	
CHEMICAL FORMULA	C ₄₂ H ₆₈ O ₁₃	
MOLECULAR WEIGHT (MW)	780.98	
CHEMICAL FAMILY	Saponins	
CAS NUMBER	[58316-41-9]	
EC#(EINECS)	NA	
RTECS	LW5456000	

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	NA	94.4%
HPLC	99.1-04-01-000684	NA	99.8%
NMR	30.1-04-1.0-000733	Conforms to structure	Conforms to structure
Mass Spectrum	99.1-04-3.0-000126	Conforms	Conforms
Residual Solvent	99.1-CDXA-3.0-000621	NA	MeOH – 0.8%; EtOH < 0.1%
Water	99.1-04-10.0-000094	NA	4.6%
Appearance	NA	NA	White powder

ADJUSTED PURITY: 94.4% IS BASED ON (100 - 0.8 SOLVENTS - 4.6 WATER) X 99.8% HPLC

STORAGE CONDITIONS

STORAGE +4 °C in a dry place.

EXPIRATION DATE

05/2024 under the above conditions.

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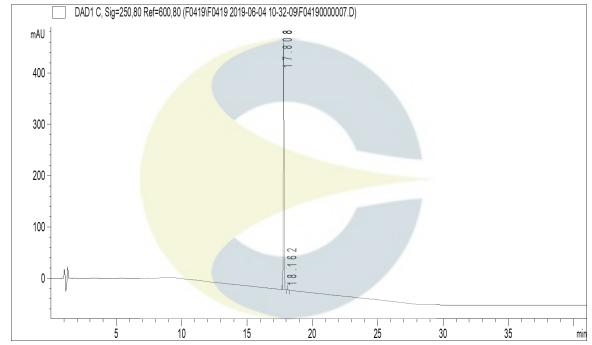
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ANALYTICAL CONDITIONS

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.	
COLUMN TEMP.	0° C	
FLOW RATE	0.4 mL/minute	
INJECTION VOL.	1.0 μL	
INJECTION CONC.	1.1 mg/mL in Methanol	
DETECTION	250 ± 40 nm	

HPLC CHROMATOGRAM OF SAIKOSAPONIN B2 (CDXP-19-00368)



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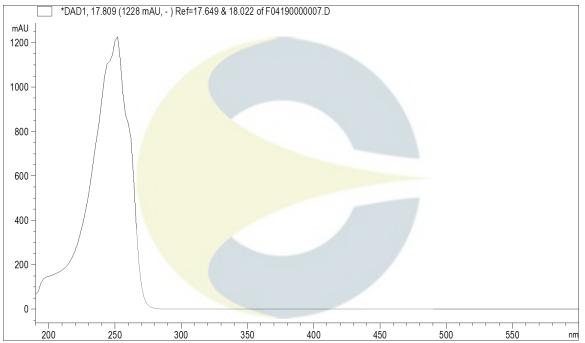


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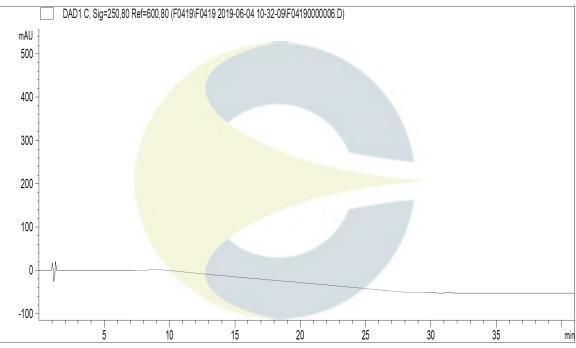
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UV SPECTRUM AT RT = 17.8 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



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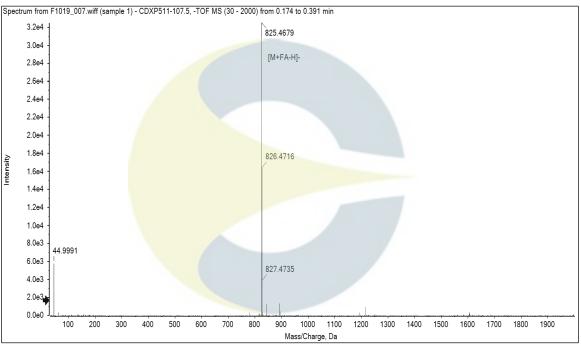


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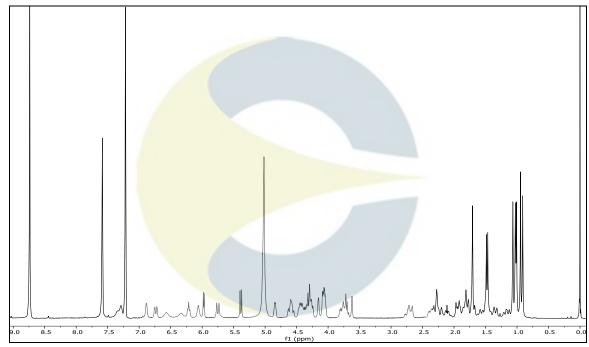
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MASS SPECTRUM OF SAIKOSAPONIN B2 (CDXP-19-00368)



¹H-NMR SPECTRUM OF SAIKOSAPONIN B2 (CDXP-19-00368) IN PYRIDINE-d₅



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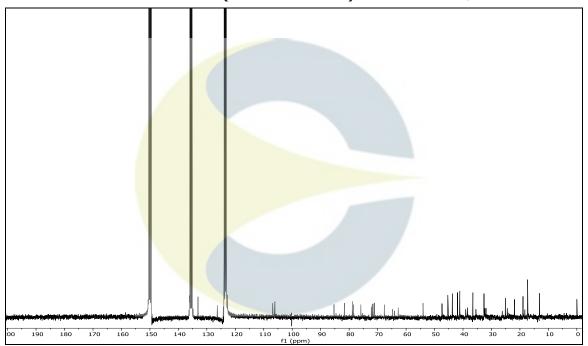
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¹³C-NMR SPECTRUM SAIKOSAPONIN B2 (CDXP-19-00368) IN PYRIDINE-d₅



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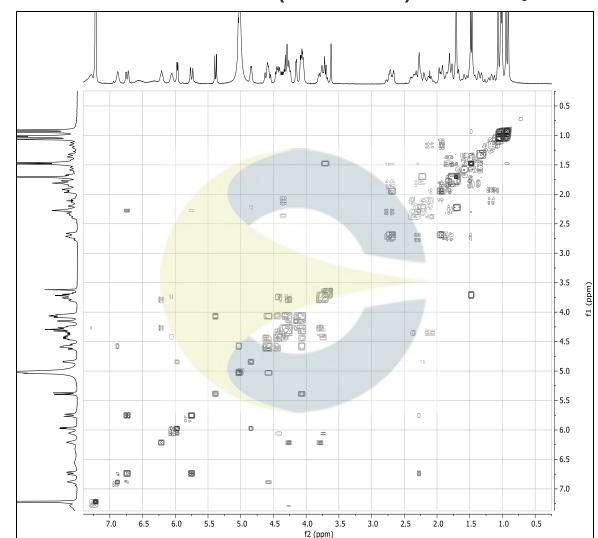




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COSY-NMR SPECTRUM OF SAIKOSAPONIN B2 (CDXP-19-00368) IN PYRIDINE-d5

REVISION HISTORY

<u>Revision History</u>	Date of Revision	Document/Changes
00	06/25/2019	New report

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