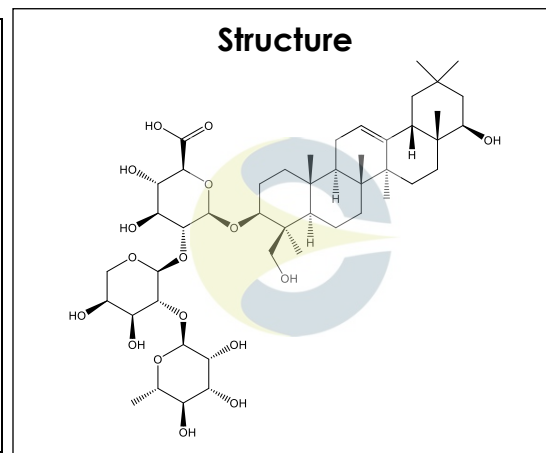


Certificate of Analysis
For Laboratory Use Only

PRODUCT NAME	Soyasaponin II
PART NUMBER	00019337
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00019337-901
REPORT NUMBER	CDXA-RSS-8659-00
SAMPLE NUMBER	CDXP-19-00565
DATE OF SAMPLE	09/23/2019
DATE OF REPORT	10/10/2019



CHEMICAL NAMES	(3β,4β,22β)-22,23-Dihydroxyolean-12-en-3-yl O-6-deoxy-α-L-mannopyranosyl-(1→2)-O-α-L-arabinopyranosyl-(1→2)-β-D-glucopyranosiduronic acid; Soyasaponin Bc
CHEMICAL FORMULA	C ₄₇ H ₇₆ O ₁₇
MOLECULAR WEIGHT (MW)	913.10
CHEMICAL FAMILY	Saponins
CAS NUMBER	[55319-36-3]
EC#(EINECS)	NA
RTECS	NA

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700-10.2.METH22	NA	99.9%
Mass Spectrum	0.700.12.27 v4	Conforms	Conforms
Appearance	NA	NA	White powder

STORAGE CONDITIONS

STORAGE	-20 °C in a dry place.
EXPIRATION DATE	09/2024 under the above conditions.

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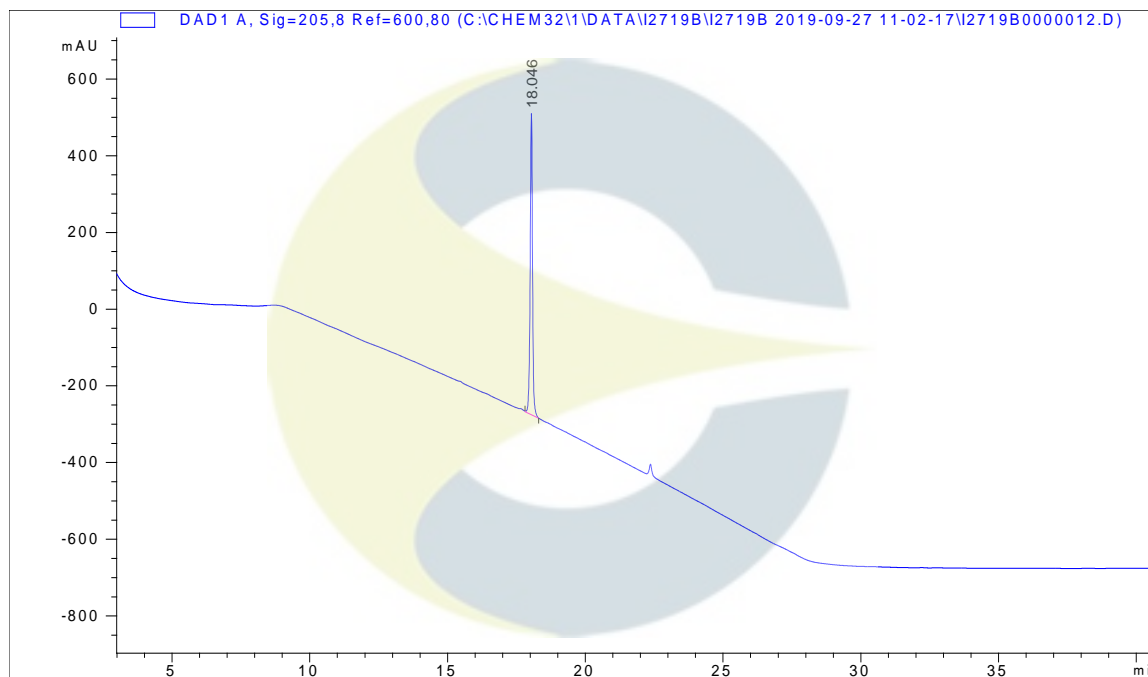
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ANALYTICAL CONDITIONS

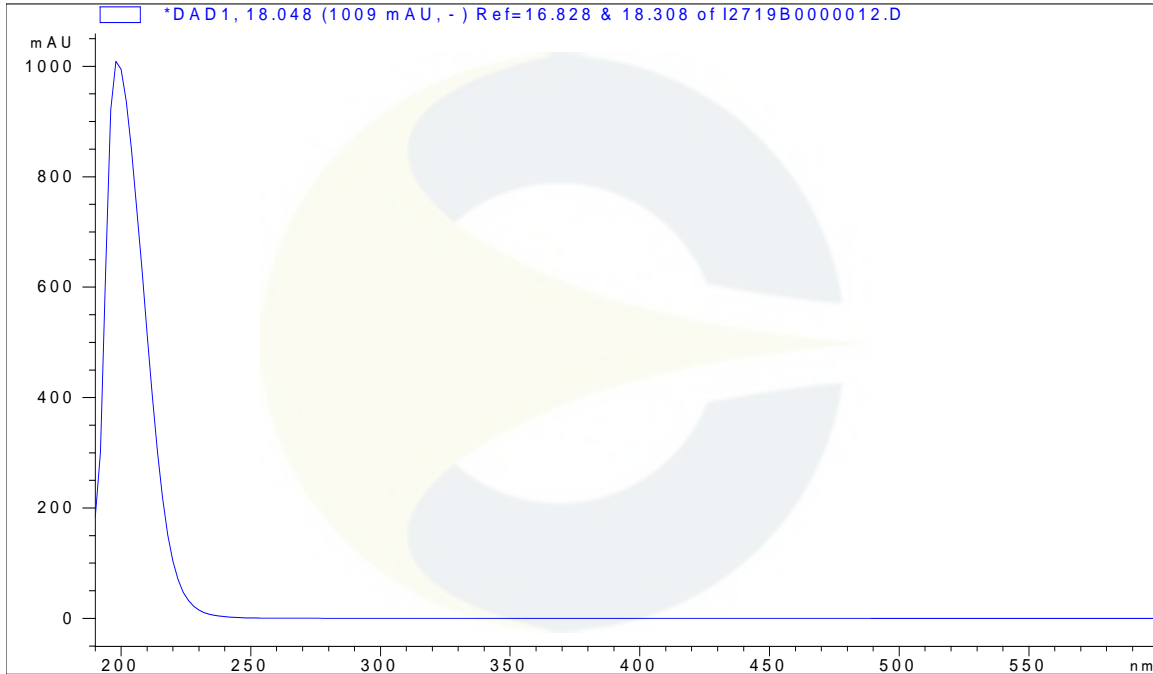
INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD) AB-SCIEX 6600 TRIPLE TOF
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
MOBILE PHASE	A - 0.1% Trifluoroacetic acid in Ultrapure water, B - Acetonitrile; Isocratic 5% B for 5 minutes, then increasing to 95% B over 20 minutes. Hold at 95% B for 15 minutes. Post time = 9.00 min.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	5.0 µL
INJECTION CONC.	1.0 mg/mL in DMSO
DETECTION	205 ± 4 nm

HPLC CHROMATOGRAM OF SOYASAPONIN II (CDXP-19-00565)

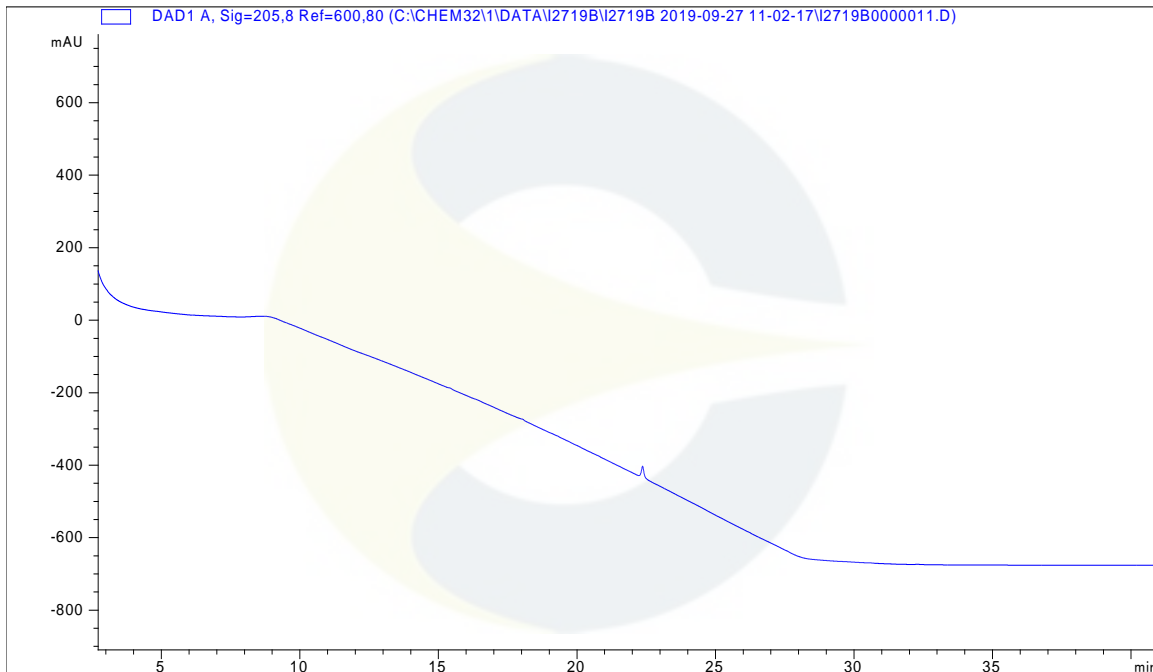


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UV SPECTRUM AT RT 18.0 MINUTES



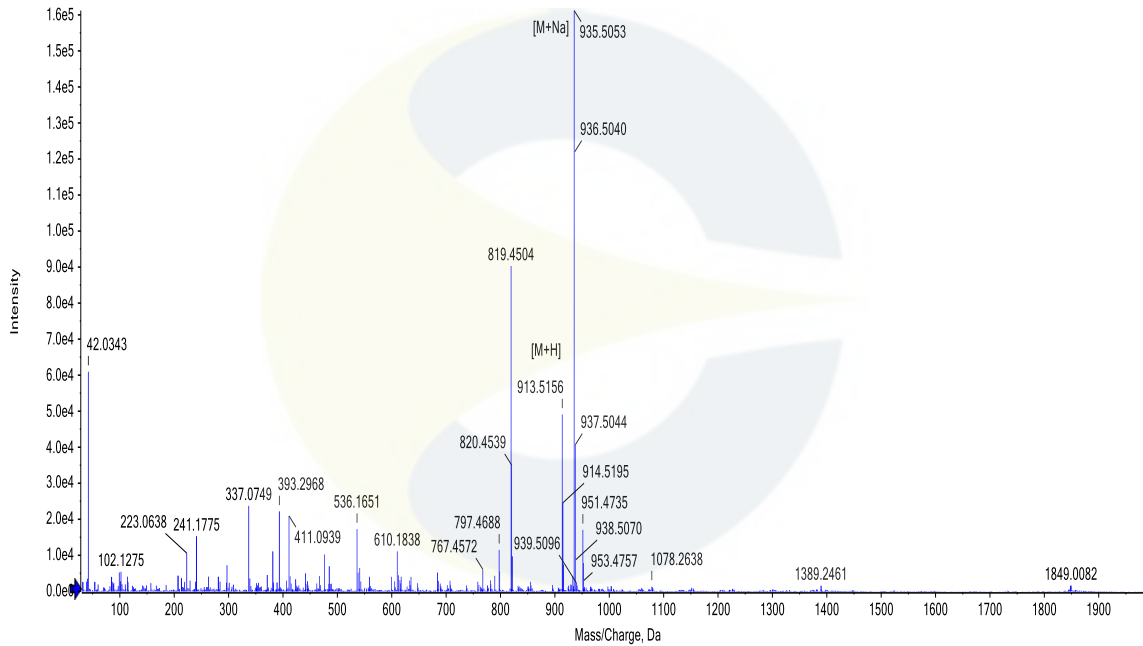
HPLC CHROMATOGRAM OF DILUENT BLANK



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MASS SPECTRUM OF SOYASAPONIN II (CDXP-19-00565)

Spectrum from I2419 + 11.wiff (sample 1) - CDXA518-95.10 Soyasaponin II (565), +TOF MS (30 - 2000) from 0.198 min


REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	10/10/2019	New report

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