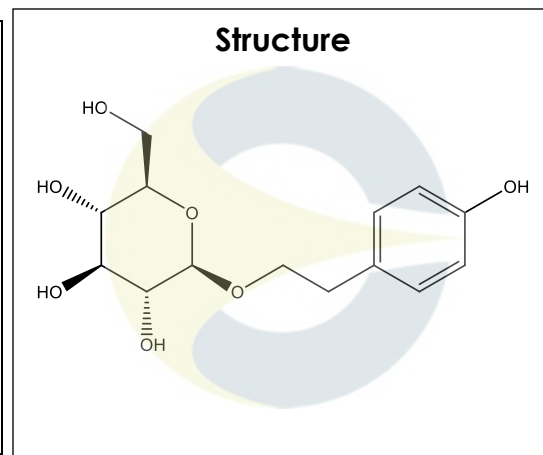


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<b>PRODUCT NAME</b>	Salidroside
<b>PART NUMBER</b>	00019550
<b>STANDARD TYPE</b>	Primary (P)
<b>LOT NUMBER</b>	00019550-101
<b>REPORT NUMBER</b>	CDXA-RSS-9335-00
<b>SAMPLE NUMBER</b>	CDXP-21-00235
<b>DATE OF SAMPLE</b>	04/06/2021
<b>DATE OF REPORT</b>	04/28/2021



<b>CHEMICAL NAMES</b>	2-(4-Hydroxyphenyl)ethyl β-D-glucopyranoside; 4-Hydroxy-phenyl-2-ethyl-β-D-glucopyranoside; Rhodioloside; Rhodosin
<b>CHEMICAL FORMULA</b>	C <sub>14</sub> H <sub>20</sub> O <sub>7</sub>
<b>MOLECULAR WEIGHT (MW)</b>	300.30
<b>CHEMICAL FAMILY</b>	Phenolics
<b>CAS NUMBER</b>	[10338-51-9]
<b>EC#(EINECS)</b>	695-621-2
<b>RTECS</b>	LZ5901900

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	99.2%
HPLC	0.700.10.2.METH22	≥ 90%	99.4%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	Acetone – 2030 ppm
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

\*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 99.2% IS BASED ON (100 - 0.2 SOLVENTS - 0.0 WATER) X 99.4% HPLC

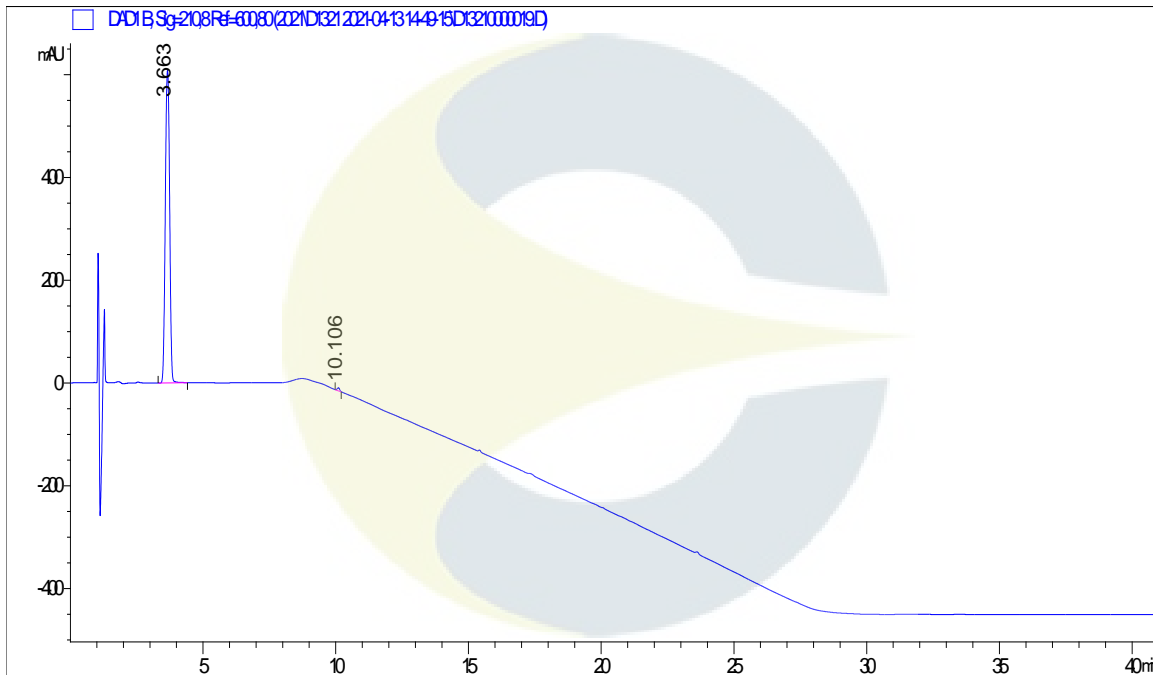
**STORAGE CONDITIONS**

<b>STORAGE</b>	+4 °C in a dry place.
<b>EXPIRATION DATE</b>	04/2026 under the above conditions.

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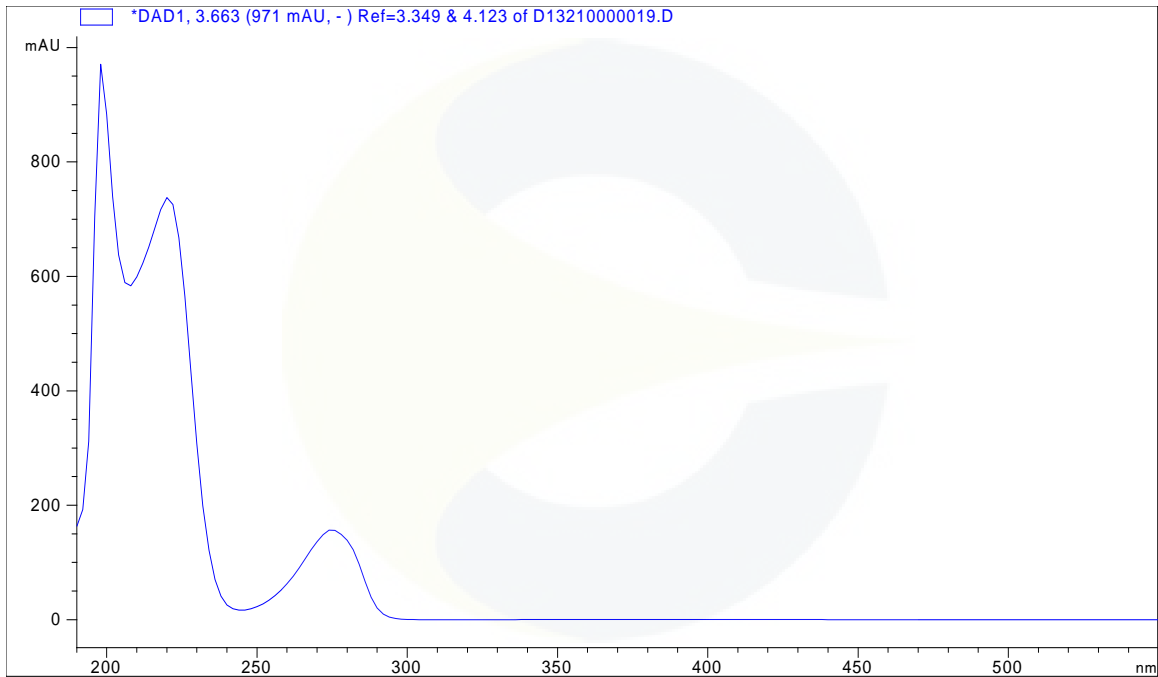
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**ANALYTICAL CONDITIONS**

<b>INSTRUMENT</b>	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
<b>COLUMN</b>	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
<b>MOBILE PHASE</b>	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.
<b>COLUMN TEMP.</b>	60 °C
<b>FLOW RATE</b>	0.4 mL/minute
<b>INJECTION VOL.</b>	2.0 µL
<b>INJECTION CONC.</b>	1.2 mg/mL in Methanol
<b>DETECTION</b>	210 ± 4 nm

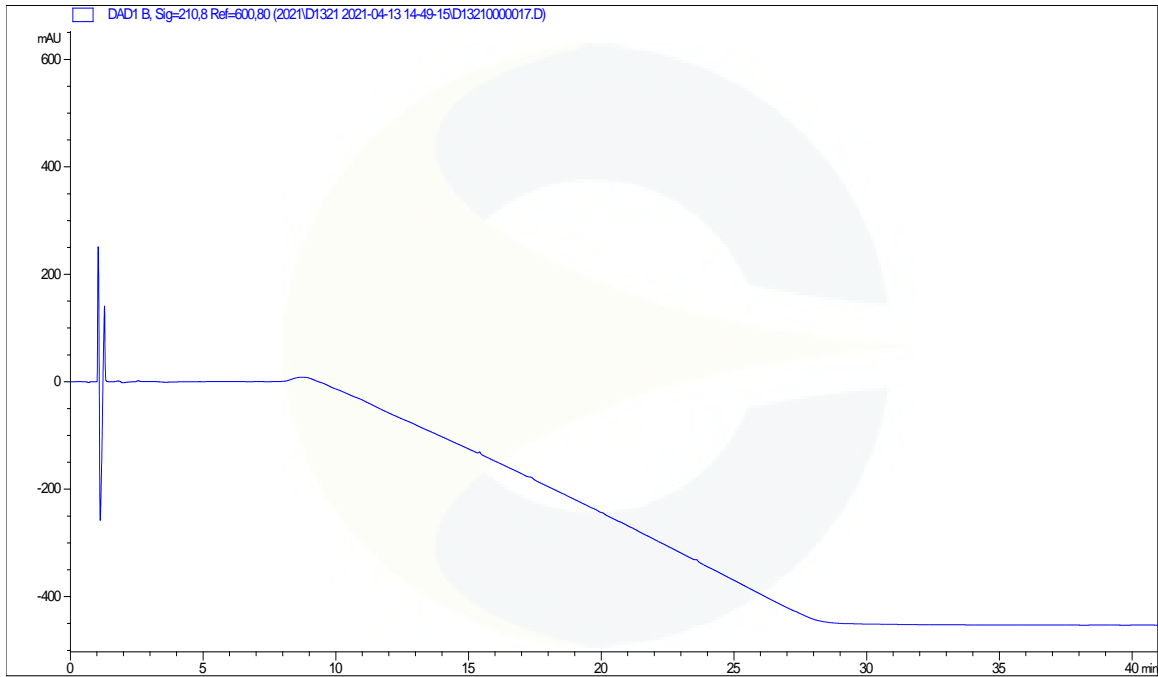
**HPLC CHROMATOGRAM OF SALIDROSIDE (CDXP-21-00235)**


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**UV SPECTRUM AT RT = 3.7 MINUTES**



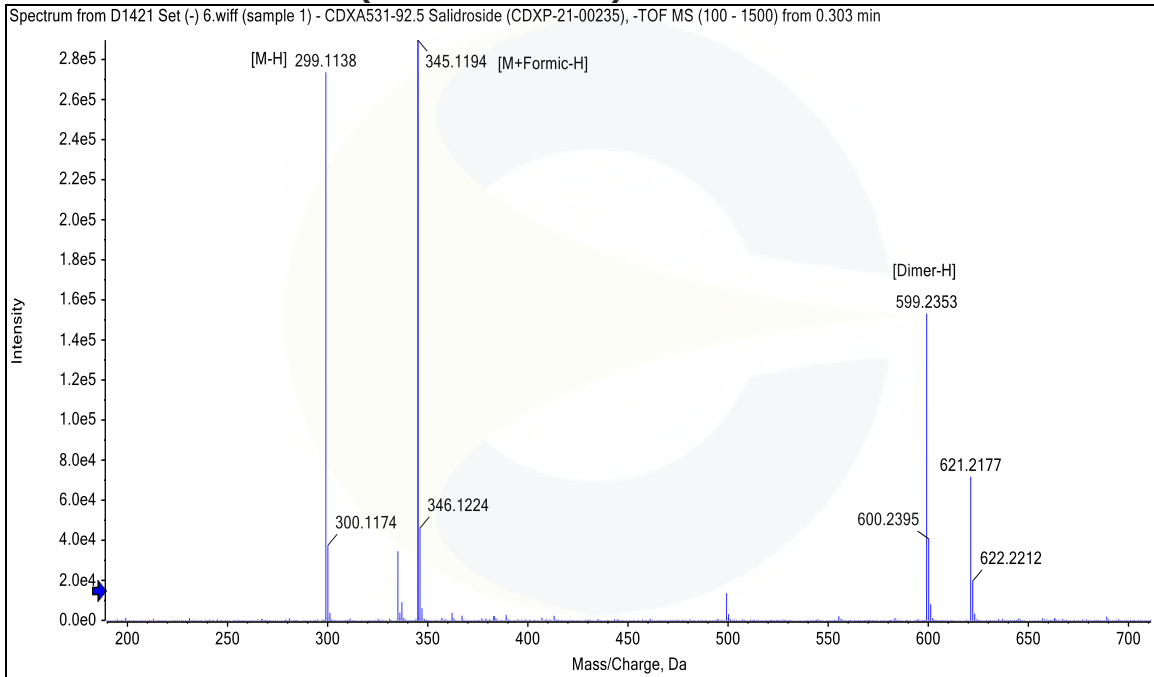
**HPLC CHROMATOGRAM OF DILUENT BLANK**



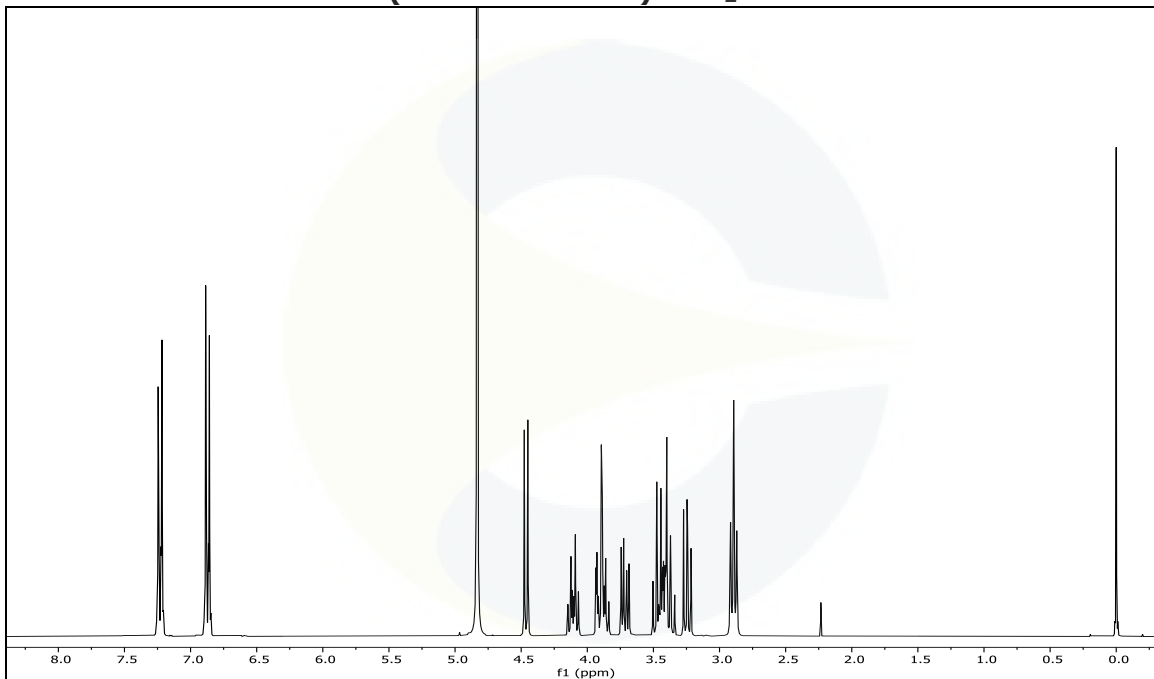
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**MASS SPECTRUM OF SALIDROSIDE (CDXP-21-00235)**



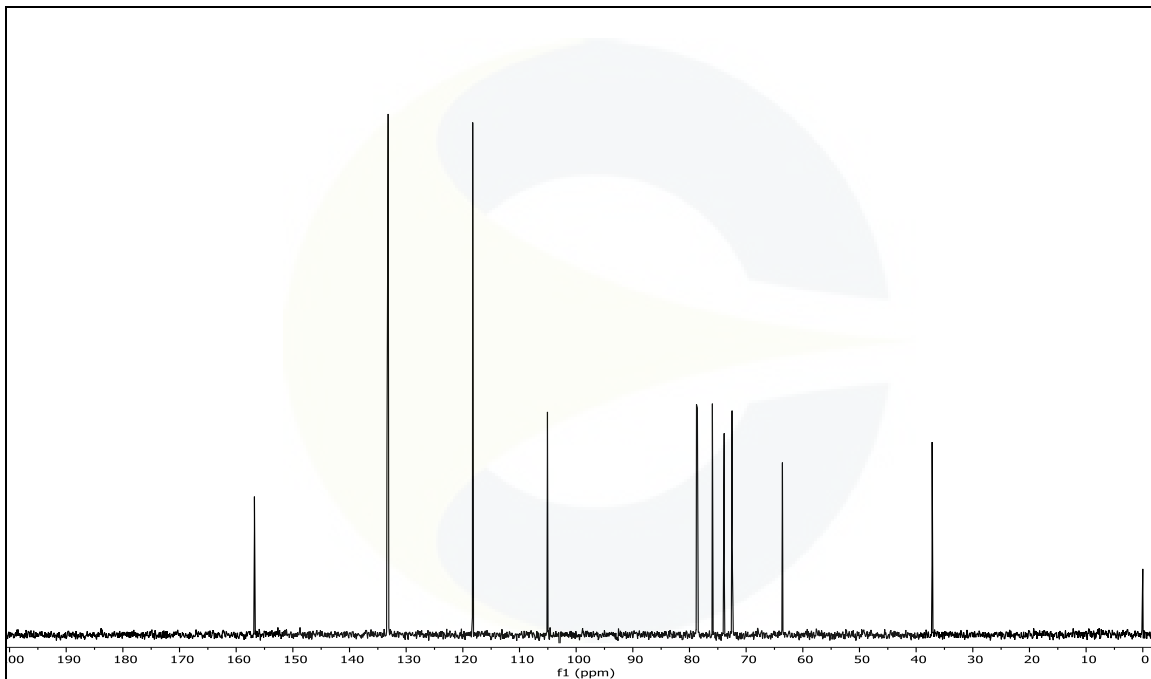
**<sup>1</sup>H-NMR SPECTRUM OF SALIDROSIDE (CDXP-21-00235) IN D<sub>2</sub>O + TMSP**



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## Certificate of Analysis

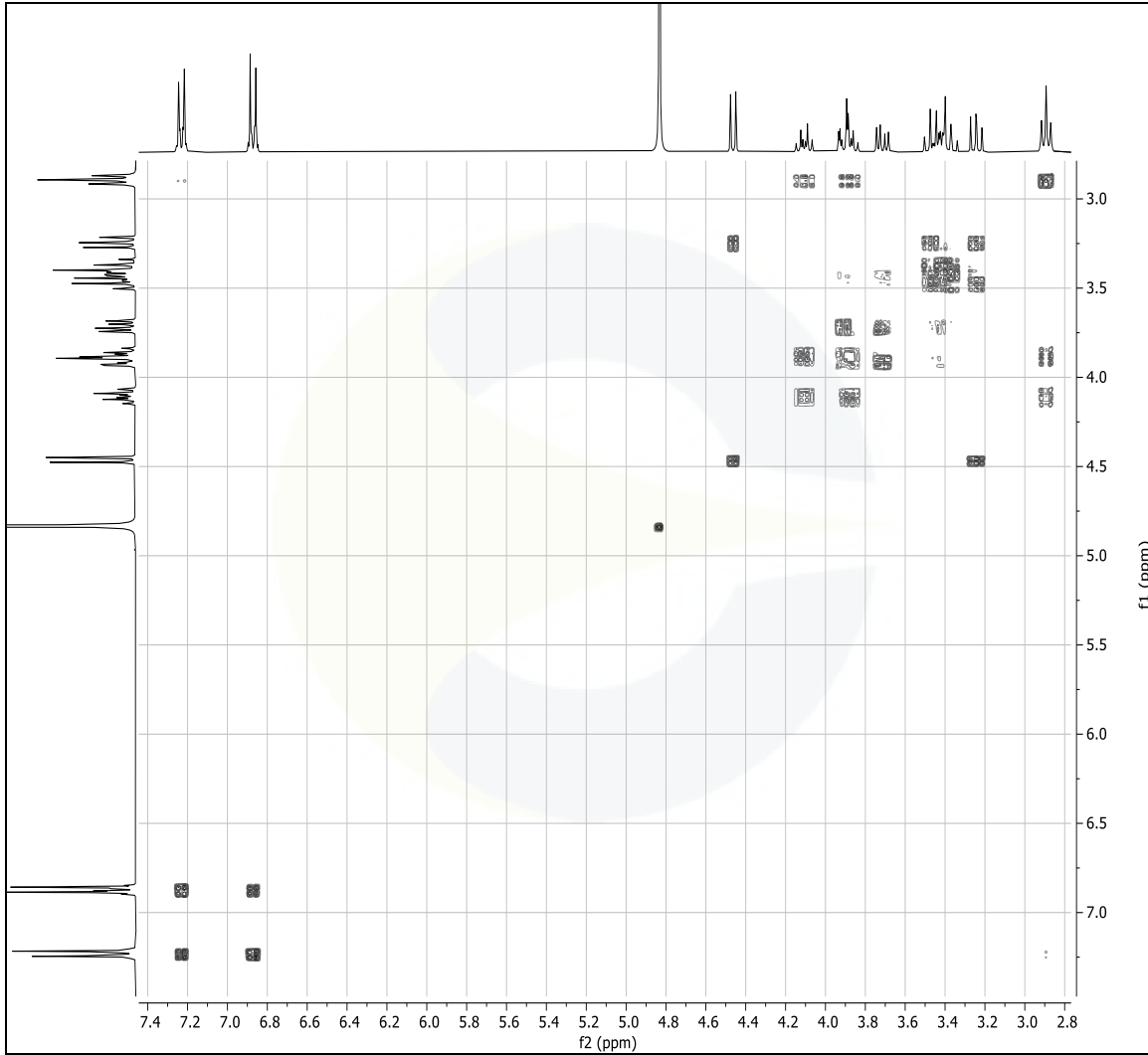
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 $^{13}\text{C}$ -NMR SPECTRUM SALIDROSIDE (CDXP-21-00235) IN  $\text{D}_2\text{O}$  + TMSP

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**COSY-NMR SPECTRUM OF SALIDROSIDE (CDXP-21-00235) IN D<sub>2</sub>O + TMSP**



**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	04/28/2021	New report

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