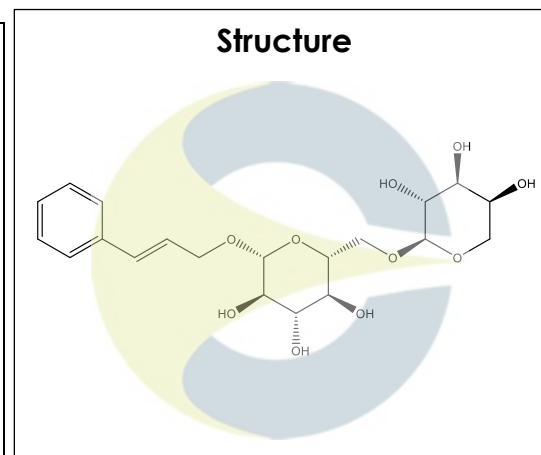


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<b>PRODUCT NAME</b>	Rosavin
<b>PART NUMBER</b>	00018365
<b>STANDARD TYPE</b>	Primary (P)
<b>LOT NUMBER</b>	00018365-161
<b>REPORT NUMBER</b>	CDXA-RSS-9757-00
<b>SAMPLE NUMBER</b>	CDXP-22-00274
<b>DATE OF SAMPLE</b>	03/23/2022
<b>DATE OF REPORT</b>	04/25/2022



<b>CHEMICAL NAMES</b>	(2E)-3-Phenyl-2-propen-1-yl 6-O-α-L-arabinopyranosyl-β-D-glucopyranoside; Rosavidin
<b>CHEMICAL FORMULA</b>	C <sub>20</sub> H <sub>28</sub> O <sub>10</sub>
<b>MOLECULAR WEIGHT (MW)</b>	428.43
<b>CHEMICAL FAMILY</b>	Sugars
<b>CAS NUMBER</b>	[84954-92-7]
<b>EC#(EINECS)</b>	875-667-1
<b>RTECS</b>	LZ5985890

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	98.4%
HPLC	0.700.10.2.METH22	≥ 90%	98.5%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	Methanol: 1420 ppm
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

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

ADJUSTED PURITY: 98.4% IS BASED ON (100 - 0.1 SOLVENTS - 0.0 WATER) X 98.5% HPLC

**STORAGE CONDITIONS**

<b>STORAGE</b>	+4 °C in a dry place.
<b>EXPIRATION DATE</b>	03/2027 under the above conditions.

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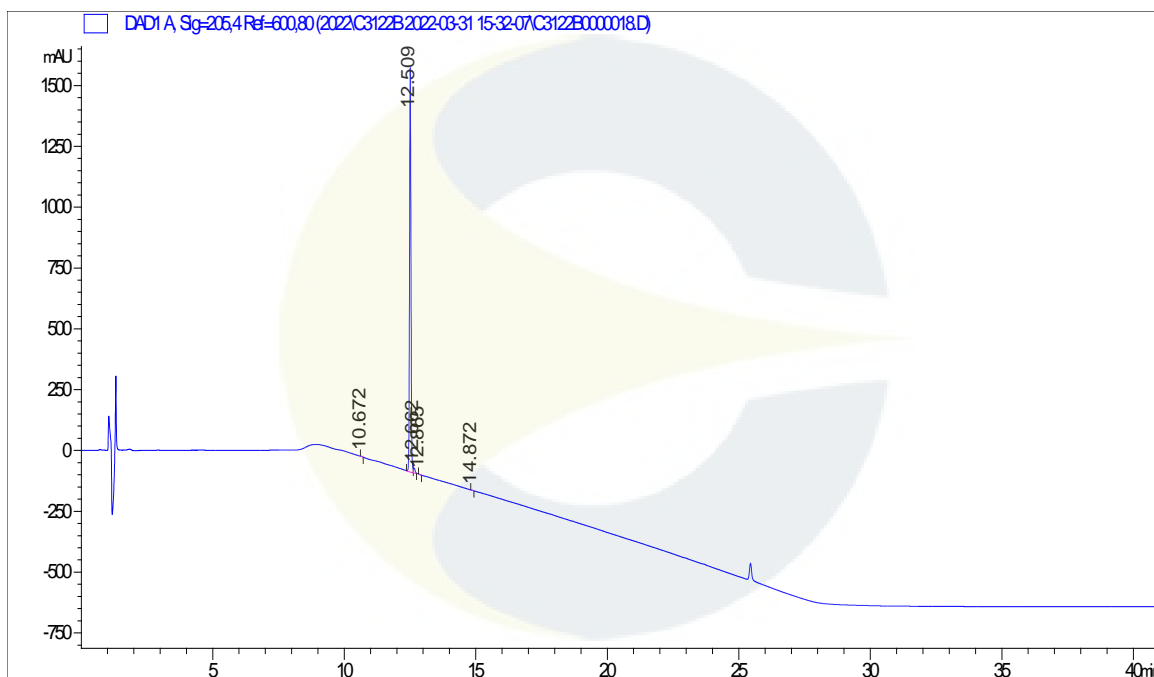
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### ANALYTICAL CONDITIONS

<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>	0.8 µL
<b>INJECTION CONC.</b>	1.0 mg/mL in Methanol
<b>DETECTION</b>	205 ± 2 nm

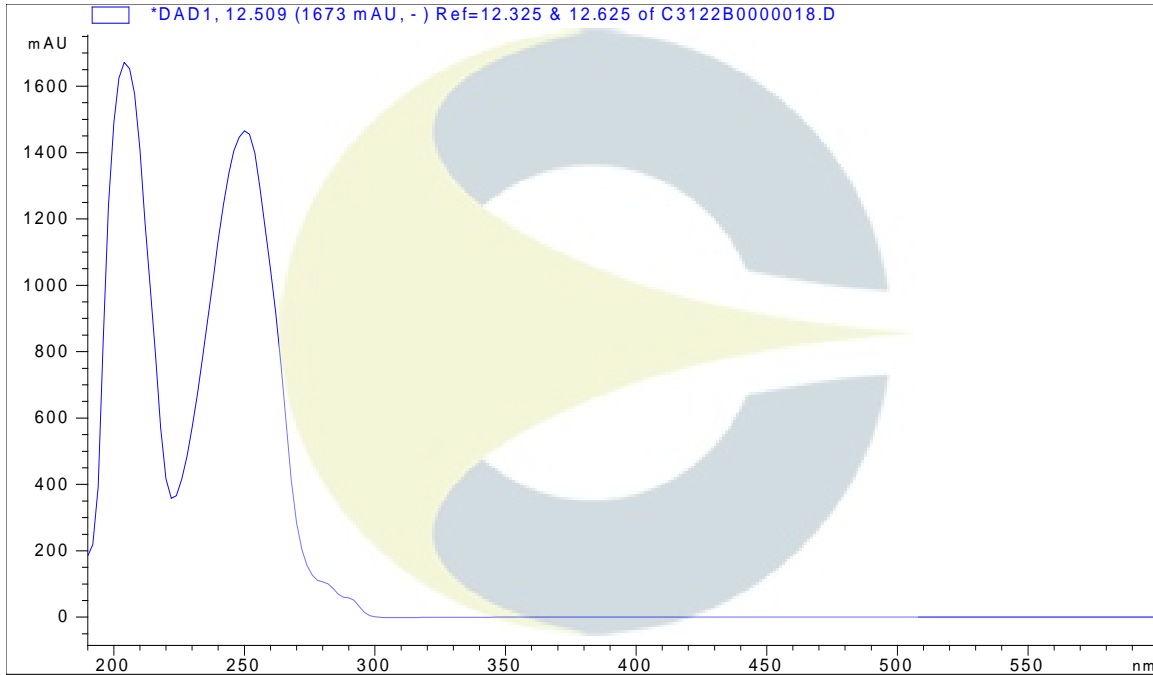
### HPLC CHROMATOGRAM OF ROSAVIN (CDXP-22-00274)



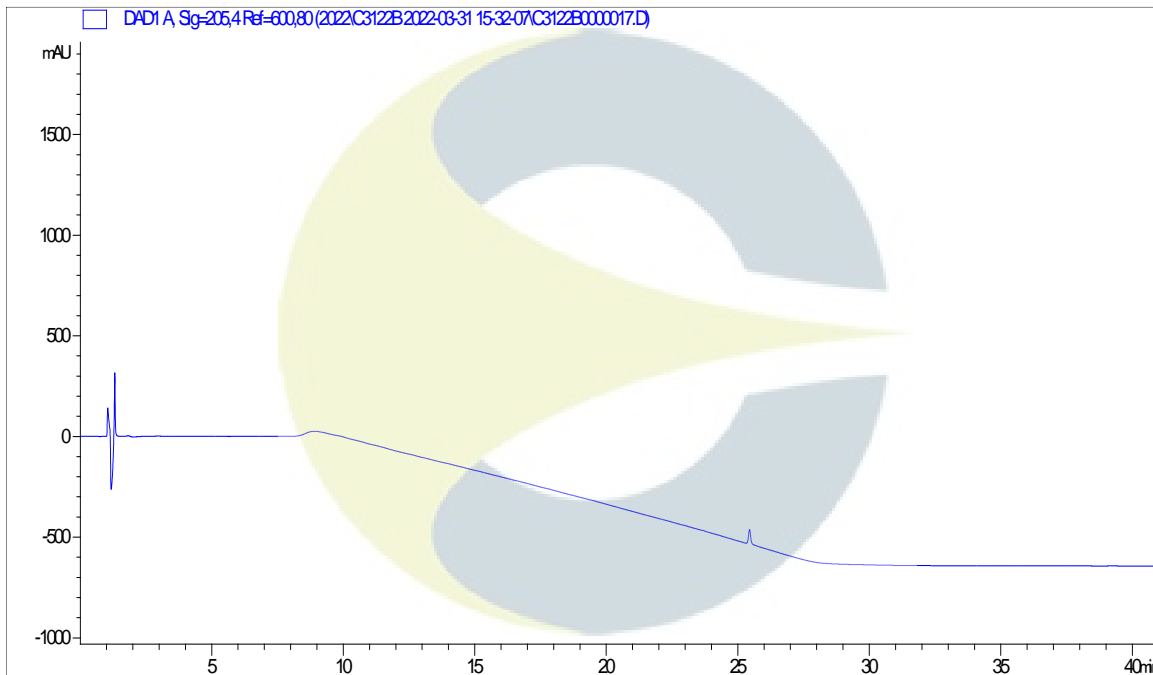
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**UV SPECTRUM AT RT = 12.5 MINUTES**

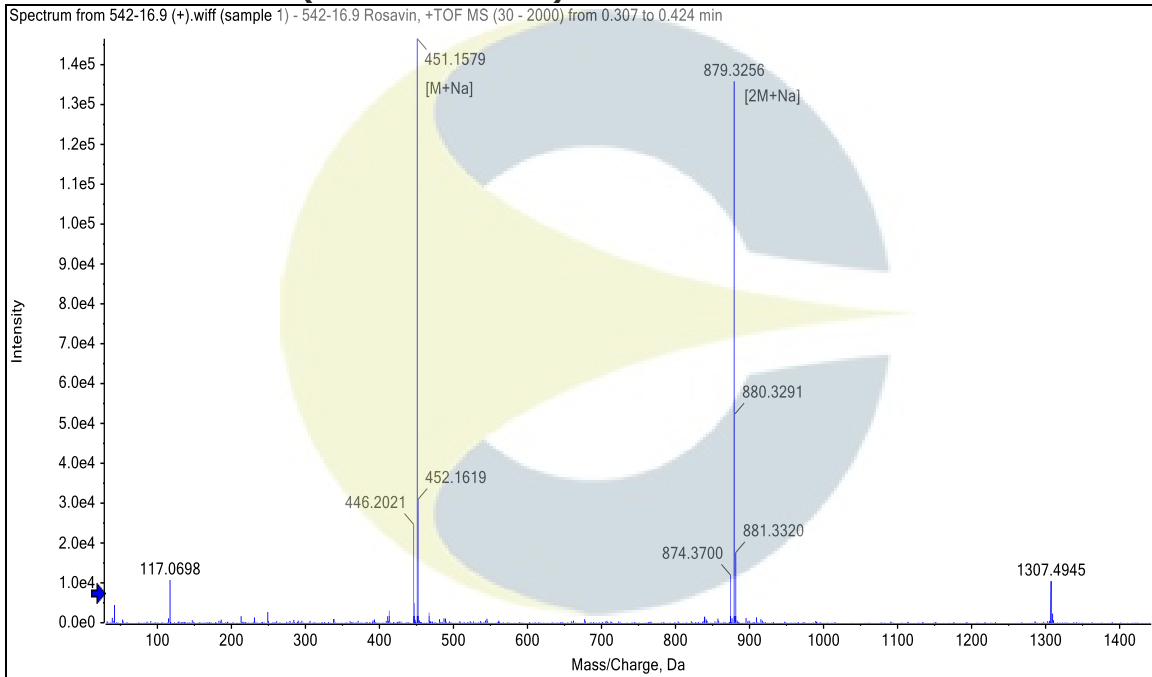


**HPLC CHROMATOGRAM OF DILUENT BLANK**

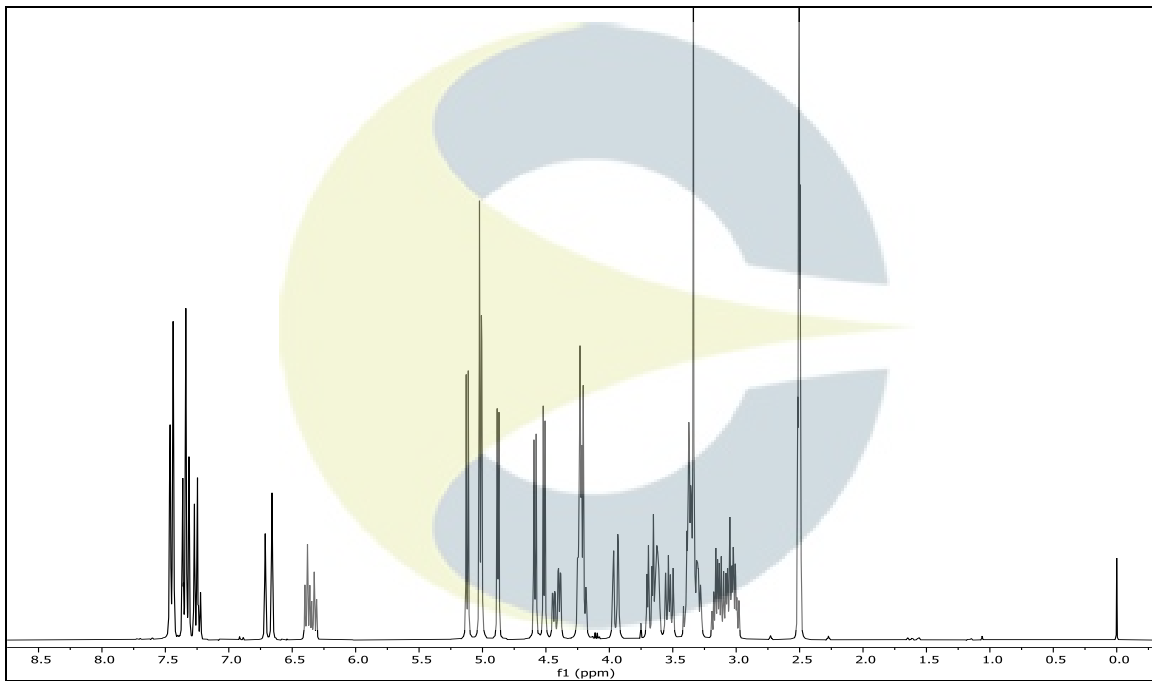


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**MASS SPECTRUM OF ROSAVIN (CDXP-22-00274)**

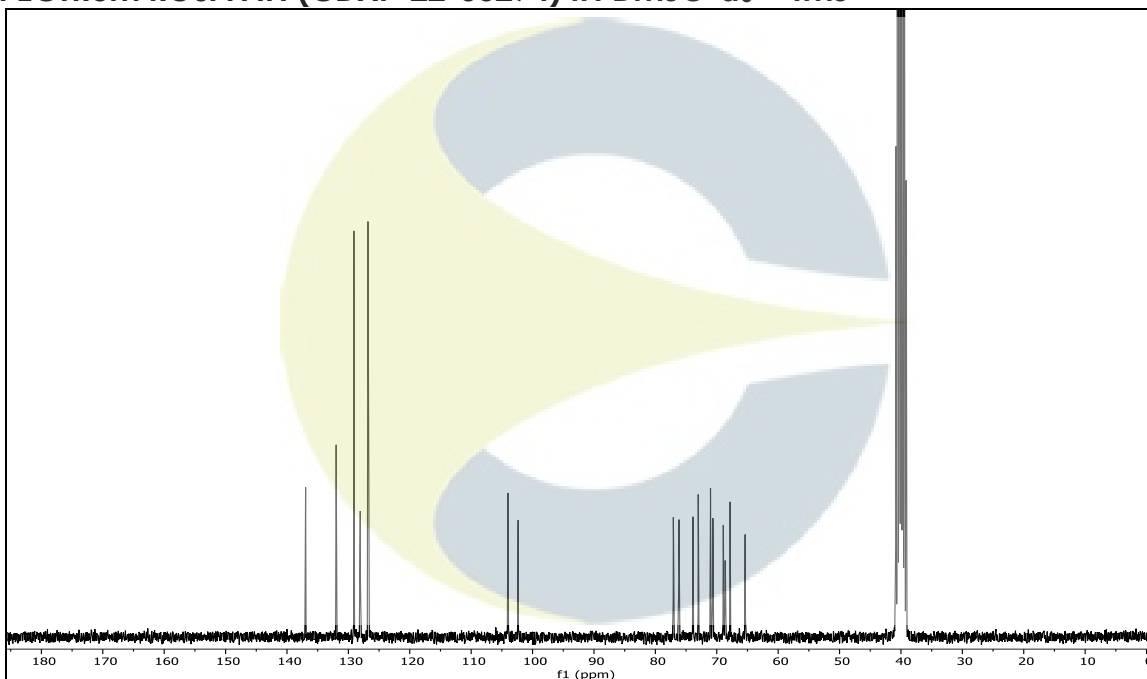


**<sup>1</sup>H-NMR SPECTRUM OF ROSAVIN (CDXP-22-00274) IN DMSO-d<sub>6</sub> + TMS**



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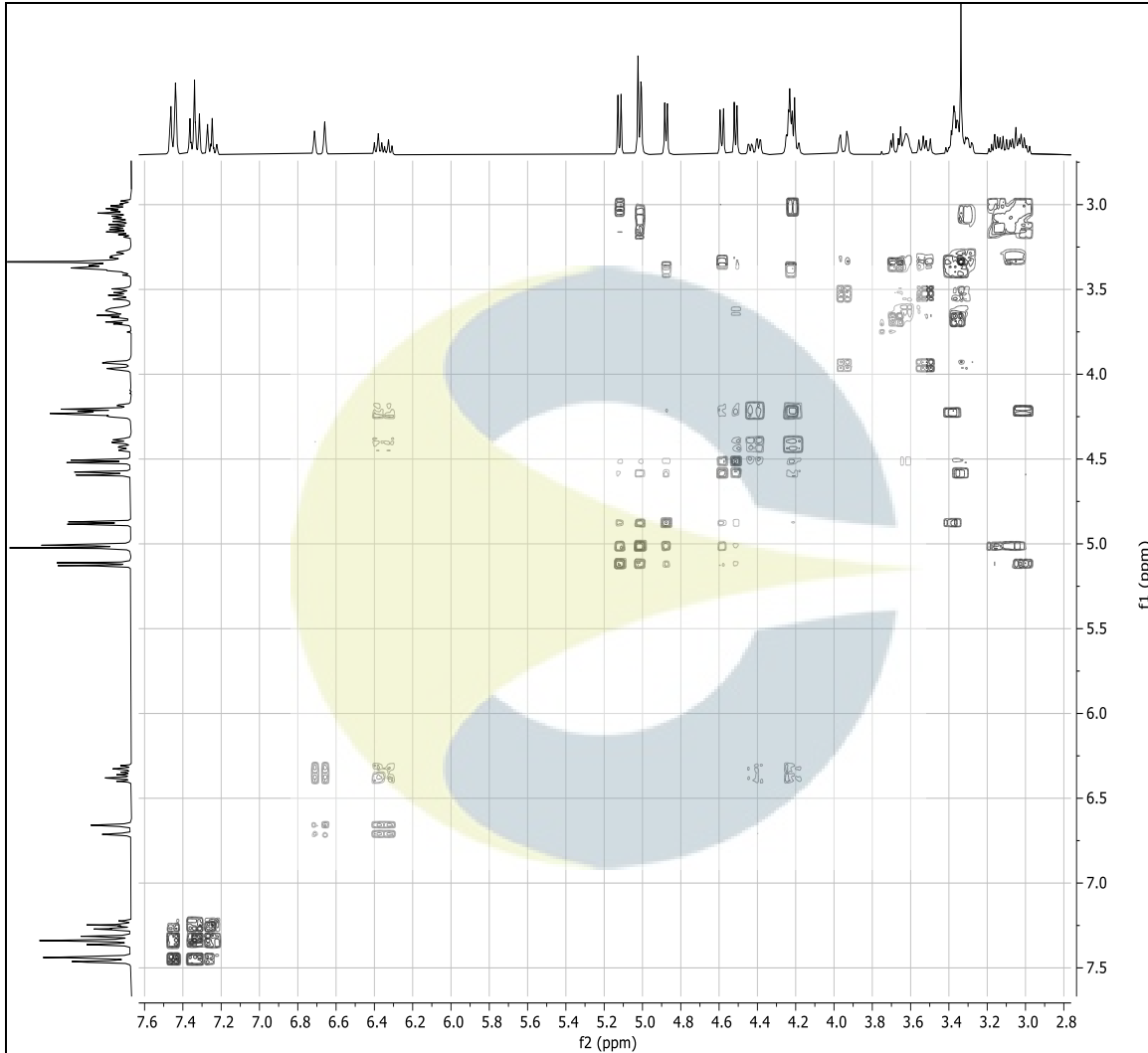
<sup>13</sup>C-NMR SPECTRUM ROSAVIN (CDXP-22-00274) IN DMSO-d<sub>6</sub> + TMS



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**COSY-NMR SPECTRUM OF ROSAVIN (CDXP-22-00274) IN DMSO-*d*<sub>6</sub> + TMS**



**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	04/25/2022	New report

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