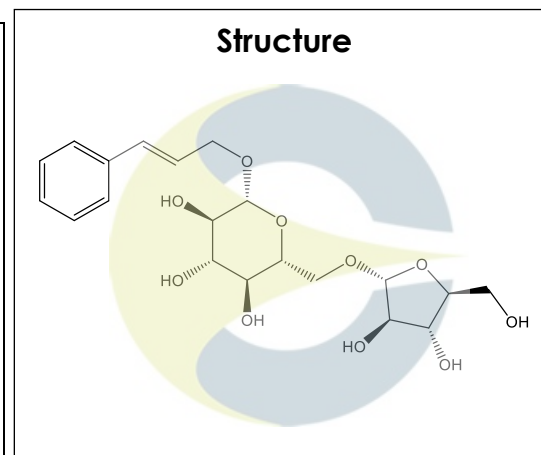


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PRODUCT NAME	Rosarin
PART NUMBER	00018366
STANDARD TYPE	Primary (P)
LOT NUMBER	00018366-219
REPORT NUMBER	CDXA-RSS-9733-00
SAMPLE NUMBER	CDXP-22-00215
DATE OF SAMPLE	03/14/2022
DATE OF REPORT	04/01/2022



CHEMICAL NAMES	(2E)-3-Phenyl-2-propen-1-yl 6-O-α-L-arabinofuranosyl-β-D-glucopyranoside
CHEMICAL FORMULA	C ₂₀ H ₂₈ O ₁₀
MOLECULAR WEIGHT (MW)	428.43
CHEMICAL FAMILY	Sugars
CAS NUMBER	[84954-93-8]
EC#(EINECS)	875-662-4
RTECS	LZ5985860

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	95.6%
HPLC	0.700.10.2.METH22	≥ 90%	97.8%
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: 2940 ppm N,N-Dimethylformamide: 2210 ppm
Water	0.700.12.37	NA	1.8%
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 95.6% IS BASED ON (100 - 0.5 SOLVENTS - 1.8 WATER) X 97.8% HPLC

STORAGE CONDITIONS

STORAGE	-20 °C in a dry place.
EXPIRATION DATE	03/2027 under the above conditions.

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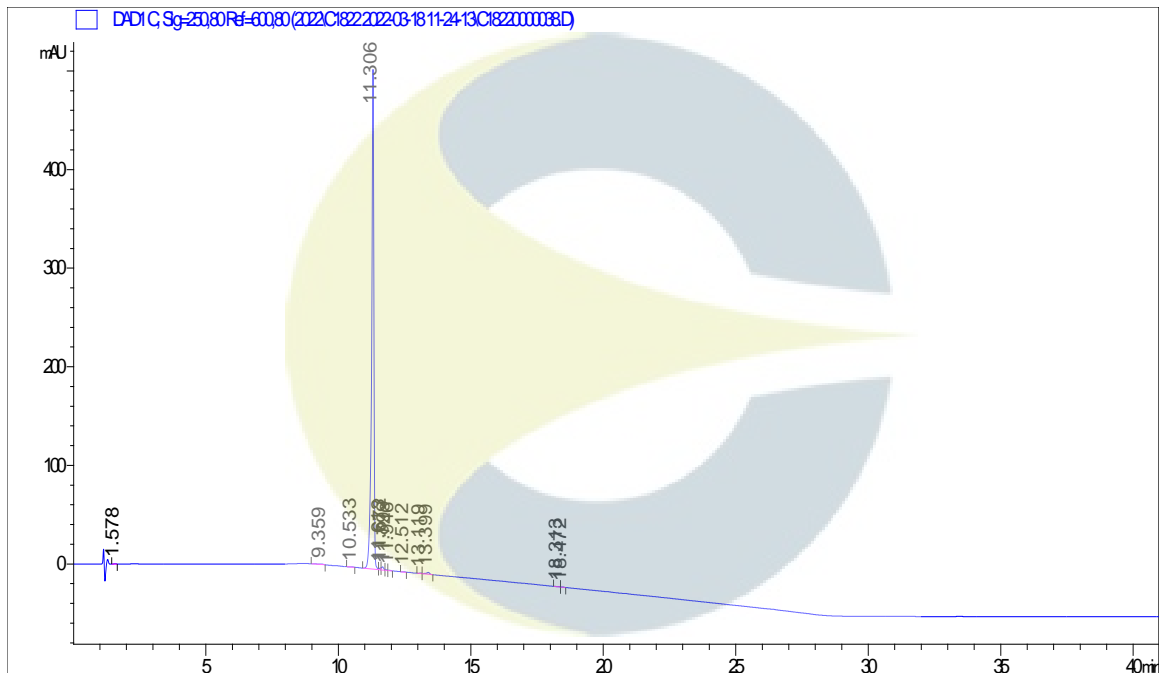
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ANALYTICAL CONDITIONS

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, then decreasing to 5% B over 1 minute.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	1.0 µL
INJECTION CONC.	1.0 mg/mL in Methanol
DETECTION	250 ± 40 nm

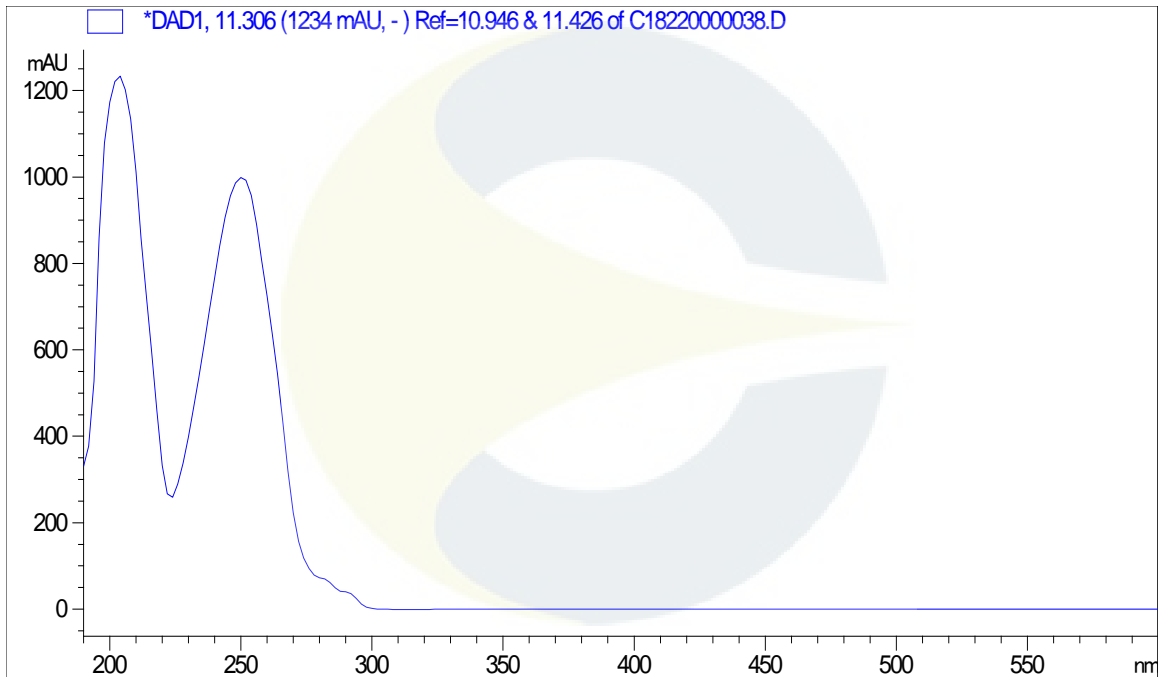
HPLC CHROMATOGRAM OF ROSARIN (CDXP-22-00215)



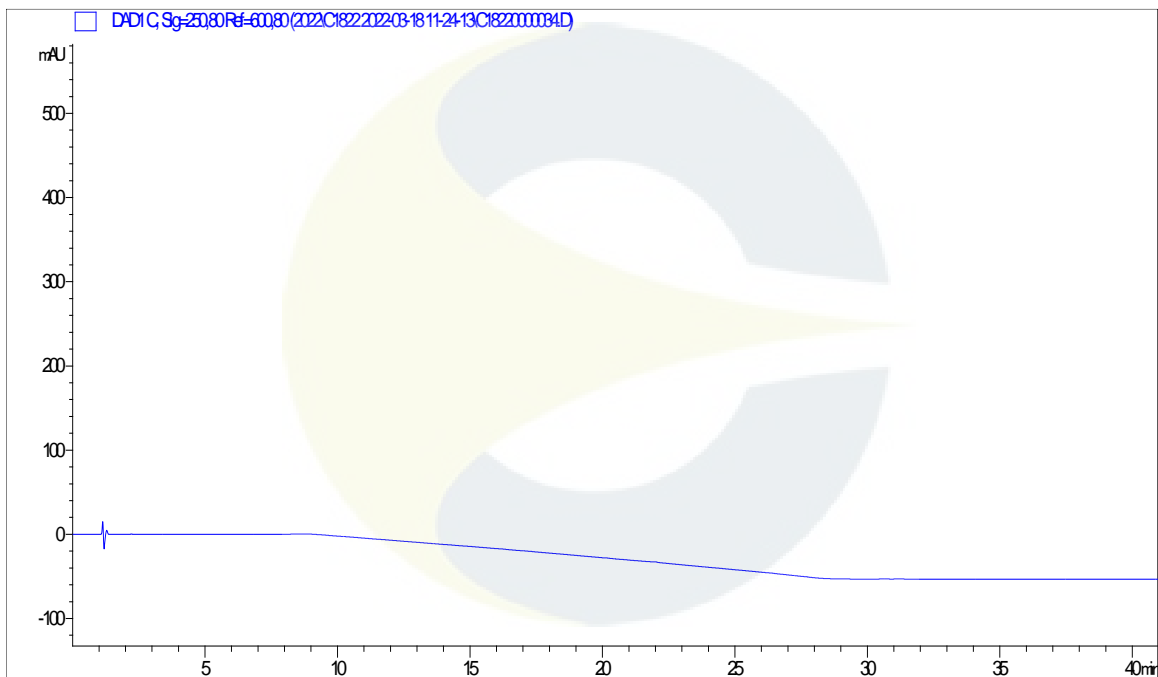
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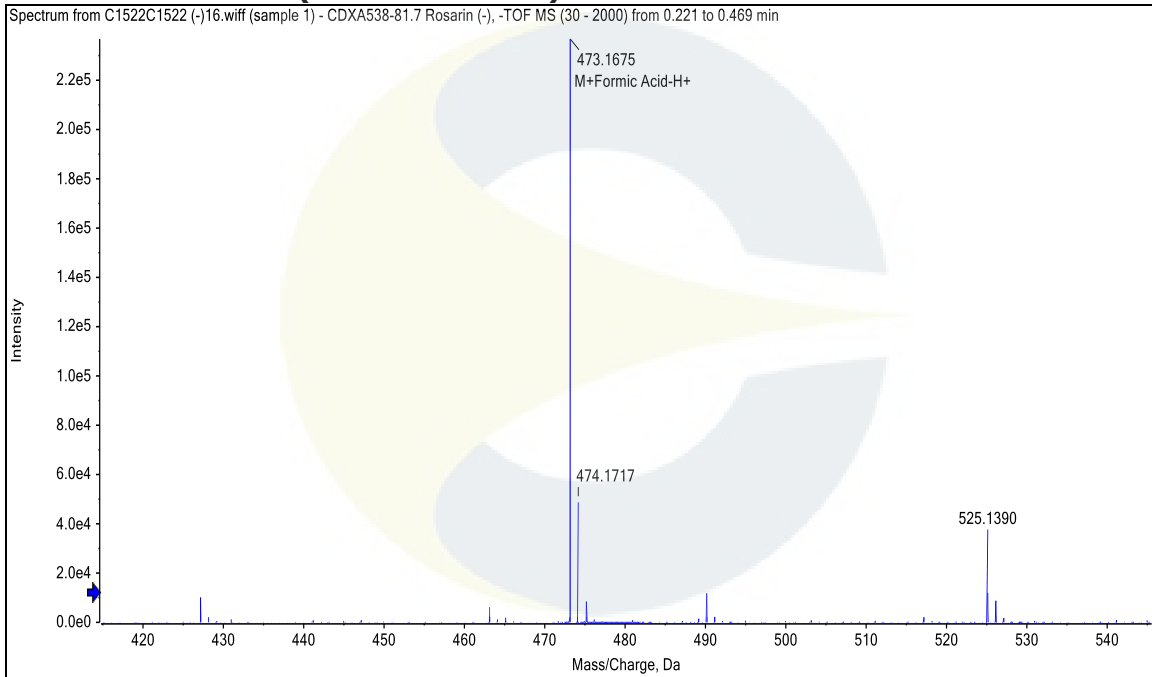
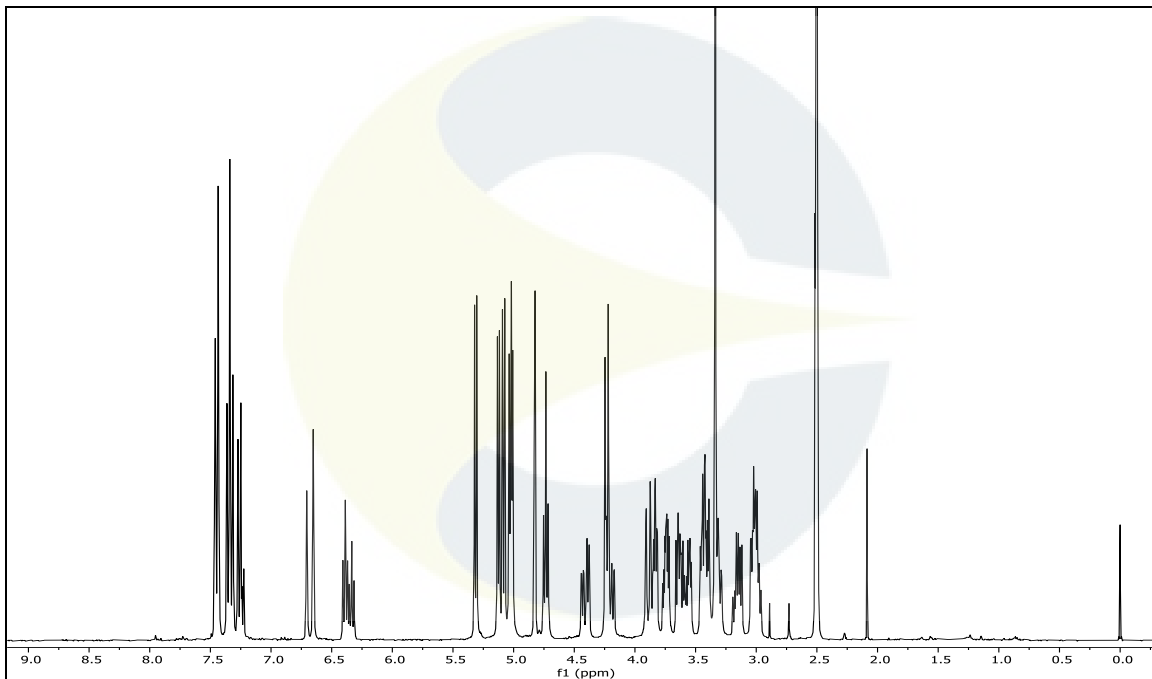
UV SPECTRUM AT RT = 11.3 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK

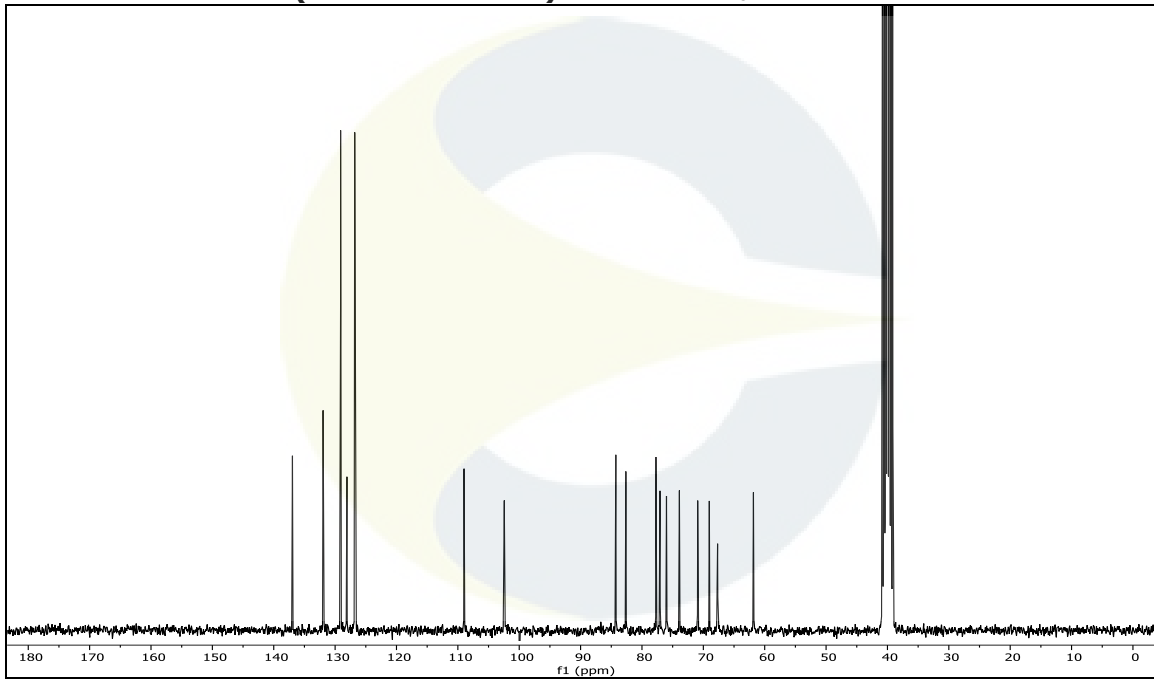


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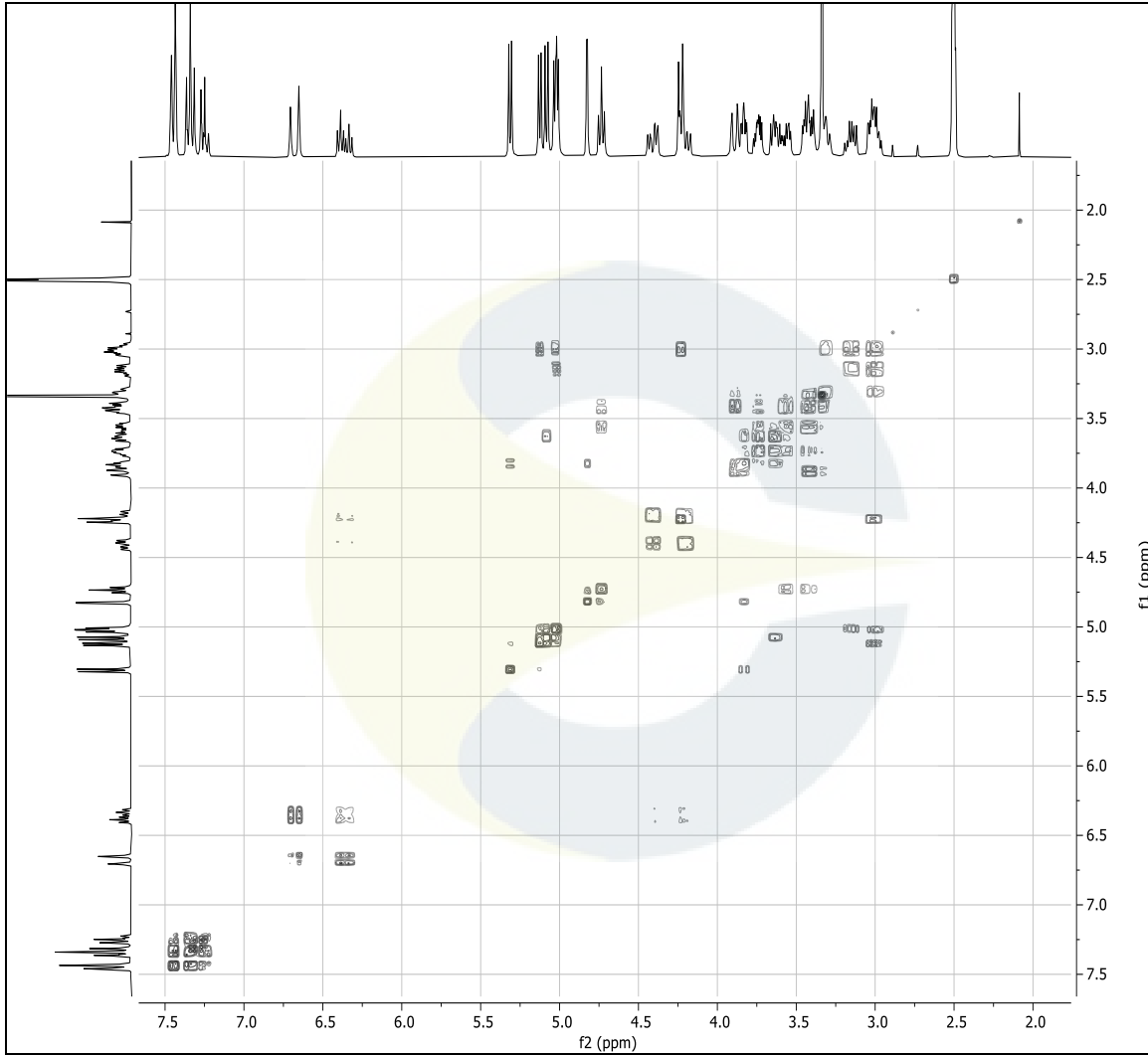
MASS SPECTRUM OF ROSARIN (CDXP-22-00215)

¹H-NMR SPECTRUM OF ROSARIN (CDXP-22-00215) IN DMSO-d₆ + TMS


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¹³C-NMR SPECTRUM ROSARIN (CDXP-22-00215) IN DMSO-d₆ + TMS



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COSY-NMR SPECTRUM OF ROSARIN (CDXP-22-00215) IN DMSO-d₆ + TMS

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	04/01/2022	New report

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