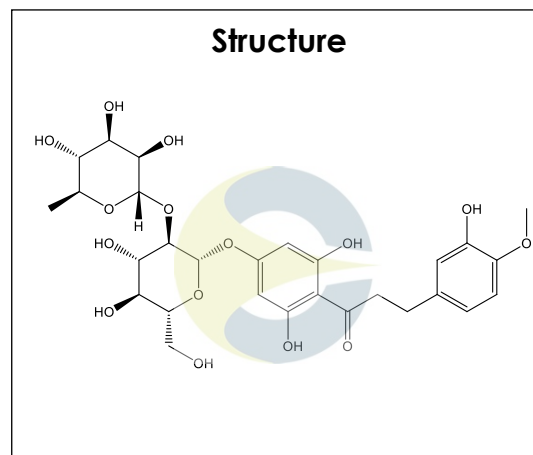


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<b>PRODUCT NAME</b>	Neohesperidin Dihydrochalcone
<b>PART NUMBER</b>	00014255
<b>STANDARD TYPE</b>	Primary (P)
<b>LOT NUMBER</b>	00014255-J01
<b>REPORT NUMBER</b>	CDXA-RSS-8851-00
<b>SAMPLE NUMBER</b>	CDXP-20-00117
<b>DATE OF SAMPLE</b>	03/02/2020
<b>DATE OF REPORT</b>	03/30/2020



<b>CHEMICAL NAMES</b>	1-[4-((2-O-(6-Deoxy- $\alpha$ -L-mannopyranosyl)- $\beta$ -D-glucopyranosyl)oxy)-2,6-dihydroxyphenyl]-3-(3-hydroxy-4-methoxyphenyl)-1-propanone; Neohesperidin DHC
<b>CHEMICAL FORMULA</b>	C <sub>28</sub> H <sub>36</sub> O <sub>15</sub>
<b>MOLECULAR WEIGHT (MW)</b>	612.58
<b>CHEMICAL FAMILY</b>	Chalcones
<b>CAS NUMBER</b>	[20702-77-6]
<b>EC#(EINECS)</b>	243-978-6
<b>RTECS</b>	LZ5785000

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	NA	87.3%
HPLC	0.700.10.2.METH22	NA	97.4%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	ND
Water	0.700.12.37	NA	10.4%
Appearance	NA	NA	Off white powder

\*Testing performed at an ISO 17025 accredited subcontracted laboratory.  
 ADJUSTED PURITY: 87.3% IS BASED ON (100 - 0.0 SOLVENTS - 10.4 WATER) X 97.4% HPLC

**STORAGE CONDITIONS**

<b>STORAGE</b>	Room Temperature in a dry place.
<b>EXPIRATION DATE</b>	03/2025 under the above conditions.

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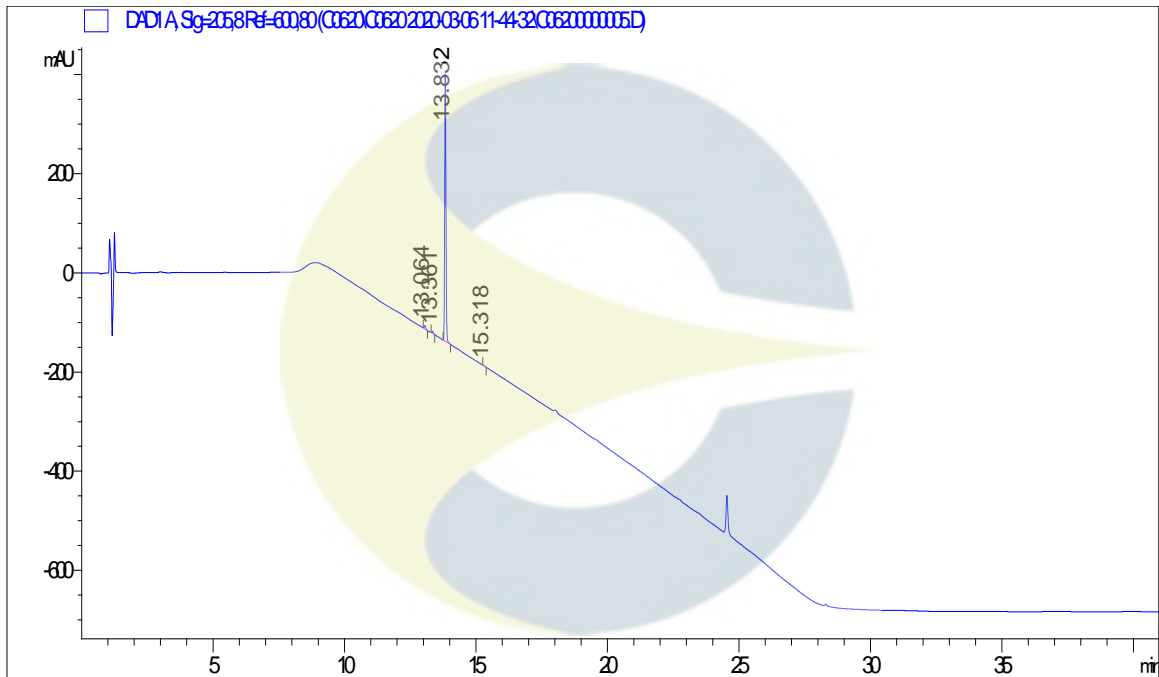
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## ANALYTICAL CONDITIONS

<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.
<b>COLUMN TEMP.</b>	60 °C
<b>FLOW RATE</b>	0.4 mL/minute
<b>INJECTION VOL.</b>	0.2 µL
<b>INJECTION CONC.</b>	1.0 mg/mL in Methanol
<b>DETECTION</b>	205 ± 4 nm

## HPLC CHROMATOGRAM OF NEOHESPERIDIN DIHYDROCHALCONE (CDXP-20-00117)

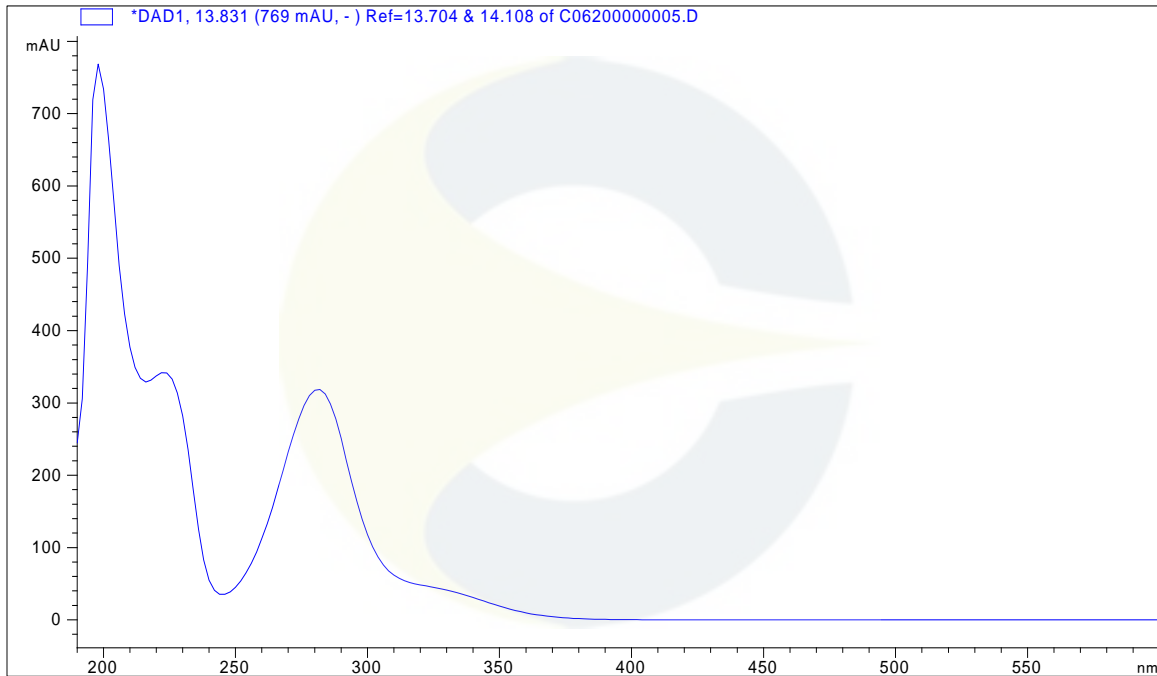


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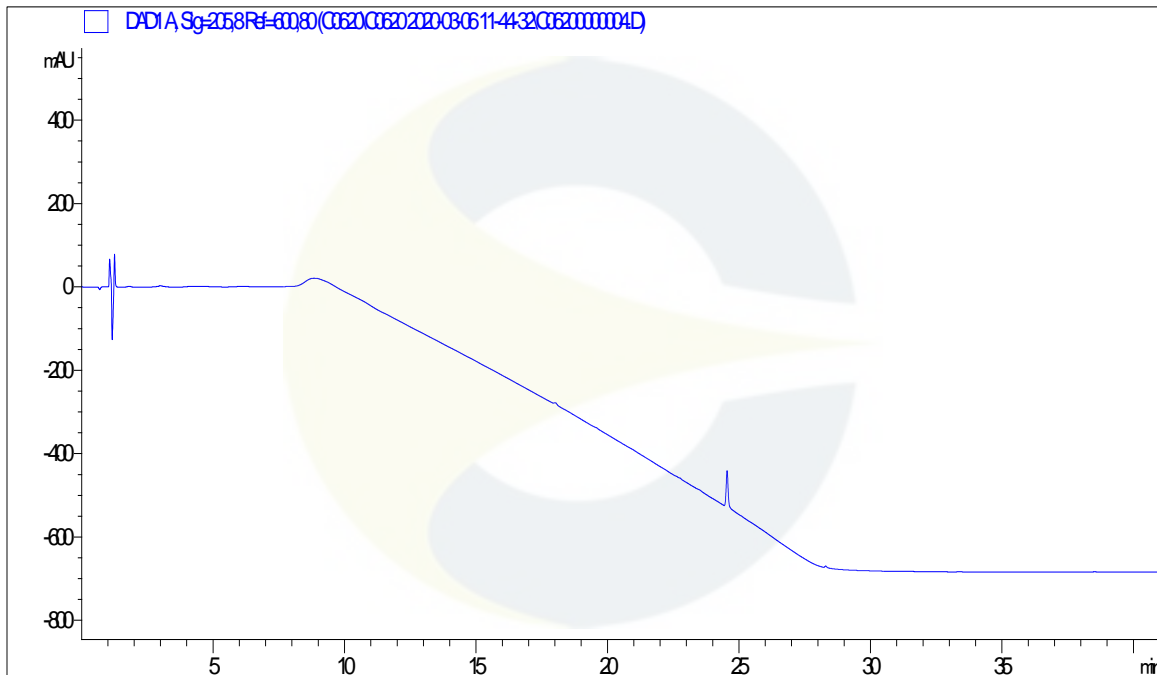
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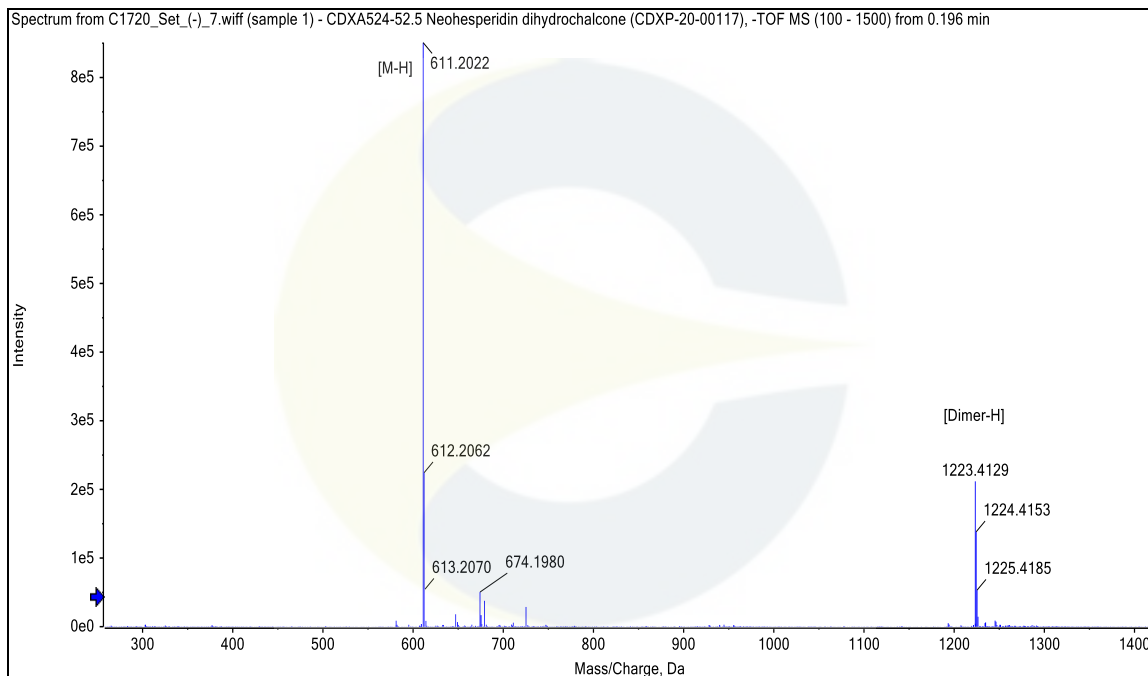
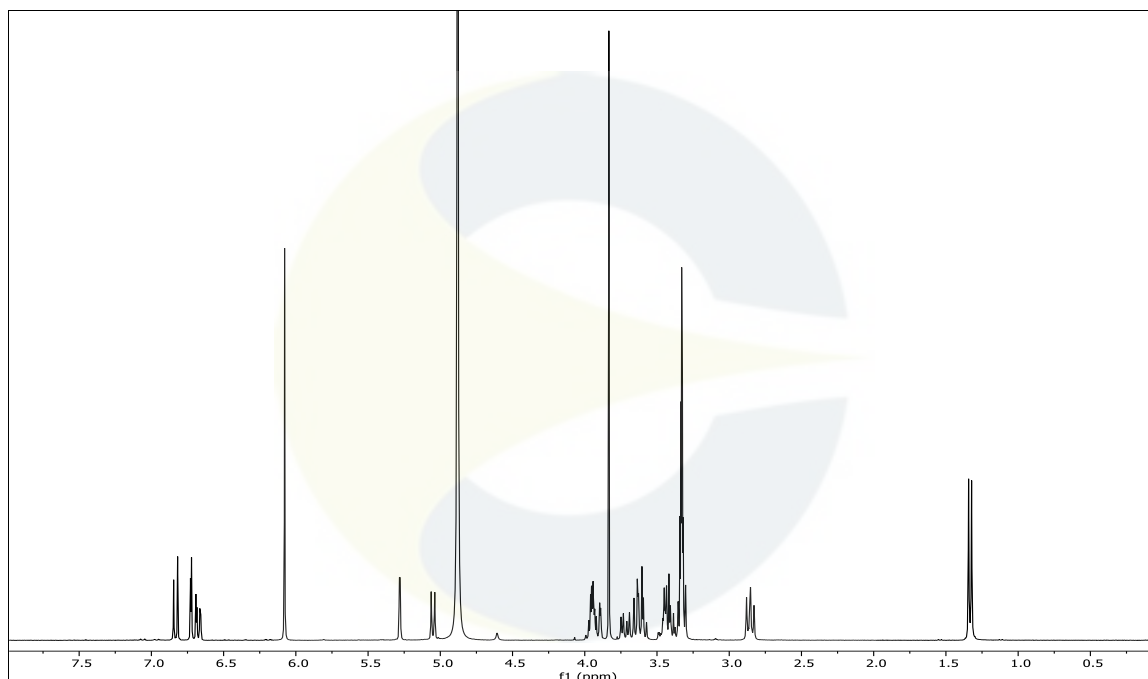
## UV SPECTRUM AT RT = 13.8 MINUTES



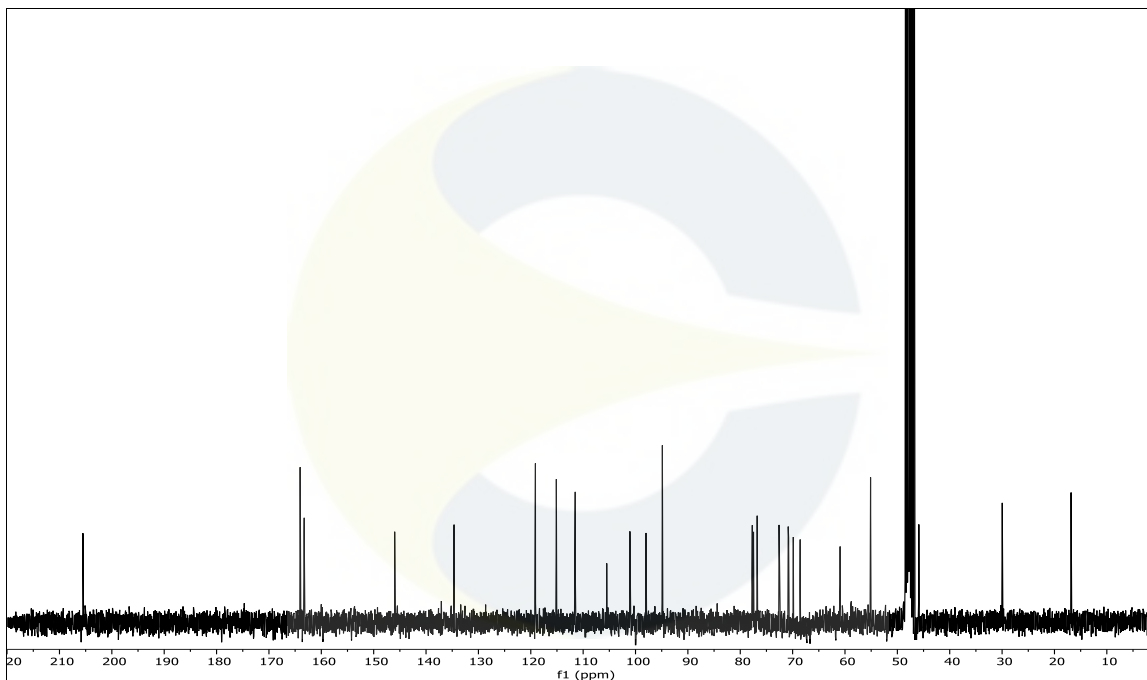
## HPLC CHROMATOGRAM OF DILUENT BLANK



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**MASS SPECTRUM OF NEOHESPERIDIN DIHYDROCHALCONE (CDXP-20-00117)**

**<sup>1</sup>H-NMR SPECTRUM OF NEOHESPERIDIN DIHYDROCHALCONE (CDXP-20-00117) IN CD<sub>3</sub>OD**


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**<sup>13</sup>C-NMR SPECTRUM NEOHESPERIDIN DIHYDROCHALCONE (CDXP-20-00117) IN CD<sub>3</sub>OD**

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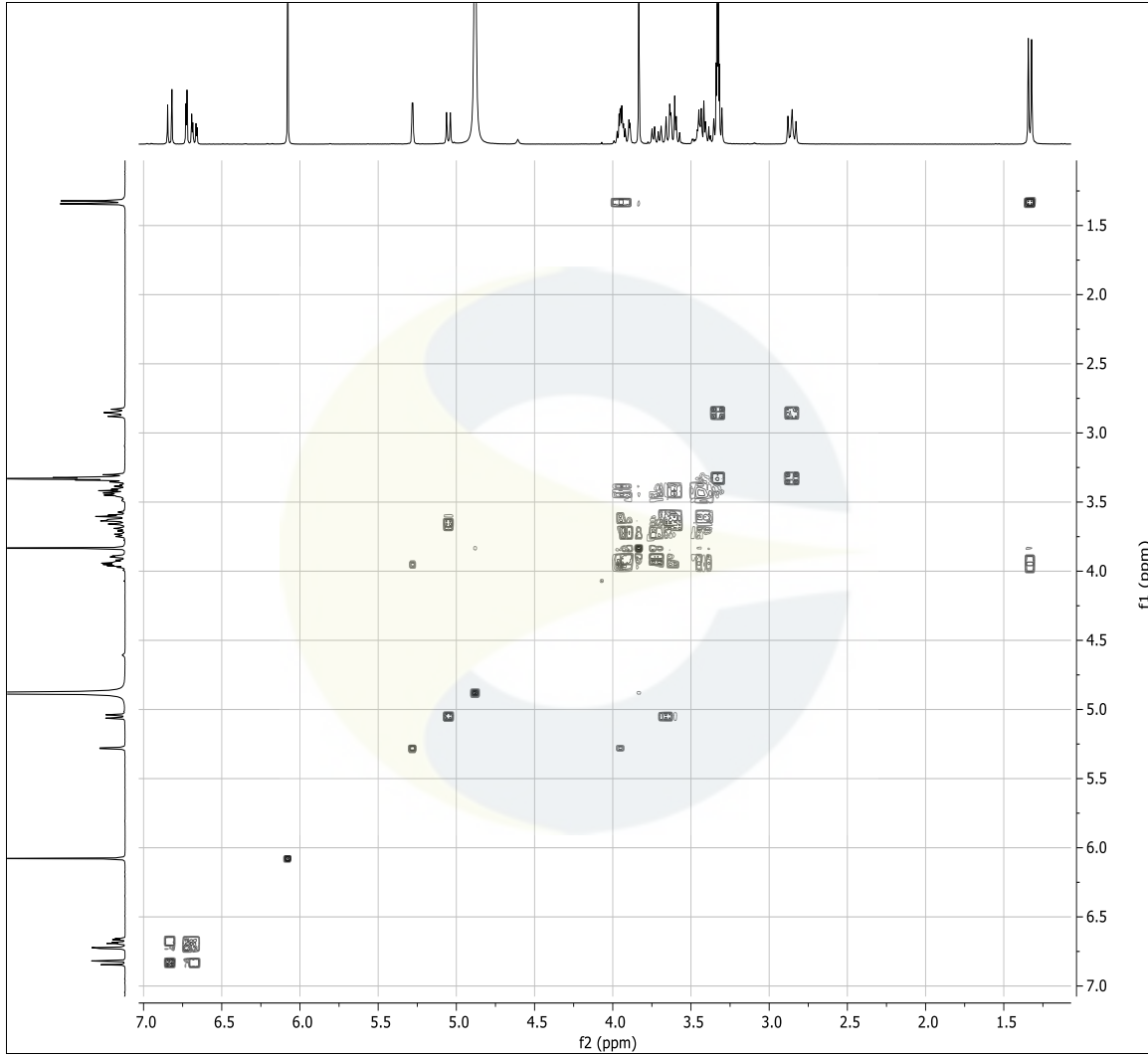
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**COSY-NMR SPECTRUM OF NEOHESPERIDIN DIHYDROCHALCONE (CDXP-20-00117) IN CD<sub>3</sub>OD**

**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	03/30/2020	New report

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