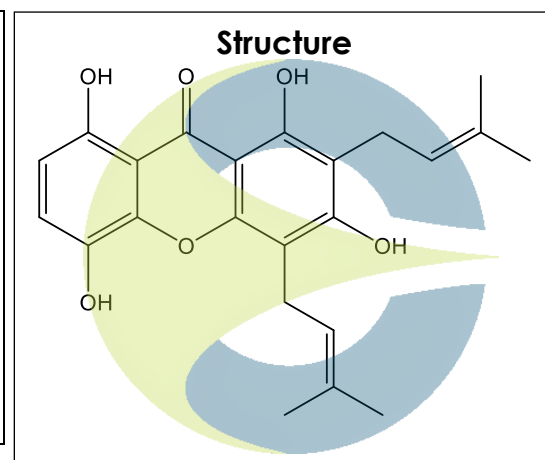


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<b>PRODUCT NAME</b>	Gartanin
<b>PART NUMBER</b>	00007049
<b>STANDARD TYPE</b>	Primary (P)
<b>LOT NUMBER</b>	00007049-00679
<b>REPORT NUMBER</b>	CDXA-RSS-9902-00
<b>SAMPLE NUMBER</b>	CDXP-22-00679
<b>DATE OF SAMPLE</b>	08/04/2022
<b>DATE OF REPORT</b>	08/30/2022



<b>CHEMICAL NAMES</b>	1,3,5,8-Tetrahydroxy-2,4-bis(3-methyl-2-buten-1-yl)-9H-xanthen-9-one
<b>CHEMICAL FORMULA</b>	C <sub>23</sub> H <sub>24</sub> O <sub>6</sub>
<b>MOLECULAR WEIGHT (MW)</b>	396.43
<b>CHEMICAL FAMILY</b>	Xanthenes
<b>CAS NUMBER</b>	[33390-42-0]
<b>EC#(EINECS)</b>	NA
<b>RTECS</b>	ZD6122315

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	80.5%
HPLC	0.700.10.2.METH22	≥ 90%	82.4%
NMR	4.5.3-CD-4.0-000338	Conforms to structure	Conforms to structure
Mass Spectrum	99.1-CDXA-2.0-000126	Conforms	Conforms
Residual Solvent	99.1-CD-10.0-000115	NA	Acetone < 0.1%
Water	0.700.12.37	NA	2.3%
Appearance	NA	NA	Yellow powder

ADJUSTED PURITY: 80.5% IS BASED ON (100 - 0.0 SOLVENTS - 2.3 WATER) X 82.4% HPLC

**STORAGE CONDITIONS**

<b>STORAGE</b>	+4 °C in a dry place.
<b>EXPIRATION DATE</b>	08/2027 under the above conditions.



**Rob Reynolds**  
 2022.08.30  
 08:39:49  
 -06'00'

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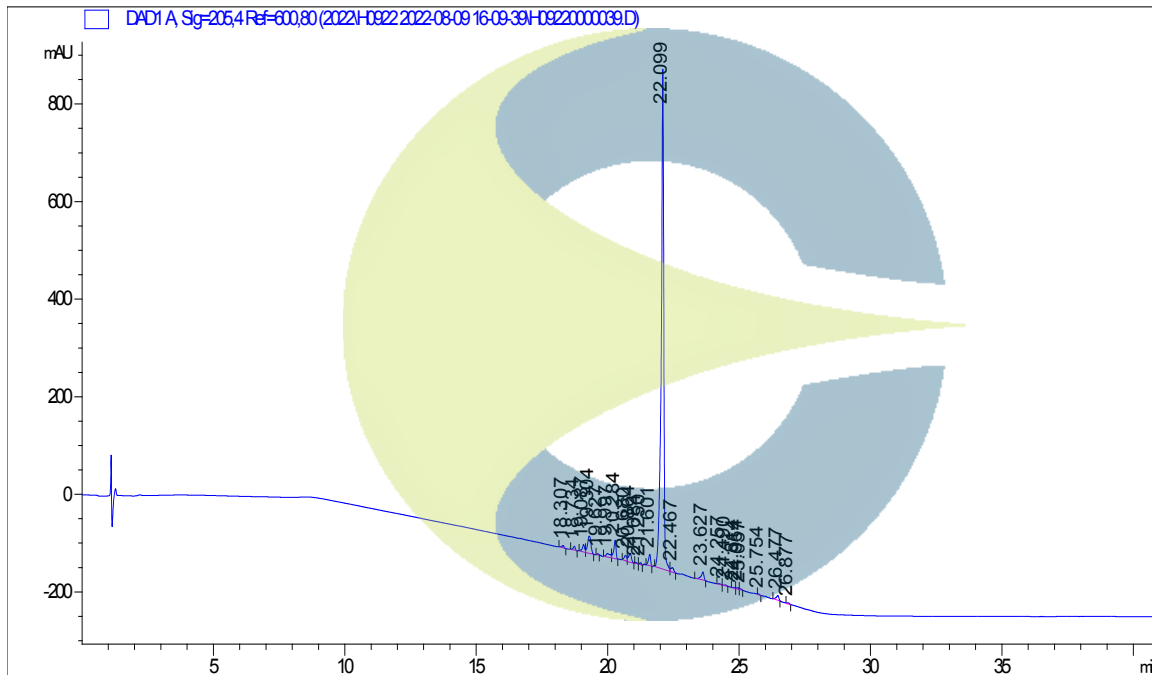
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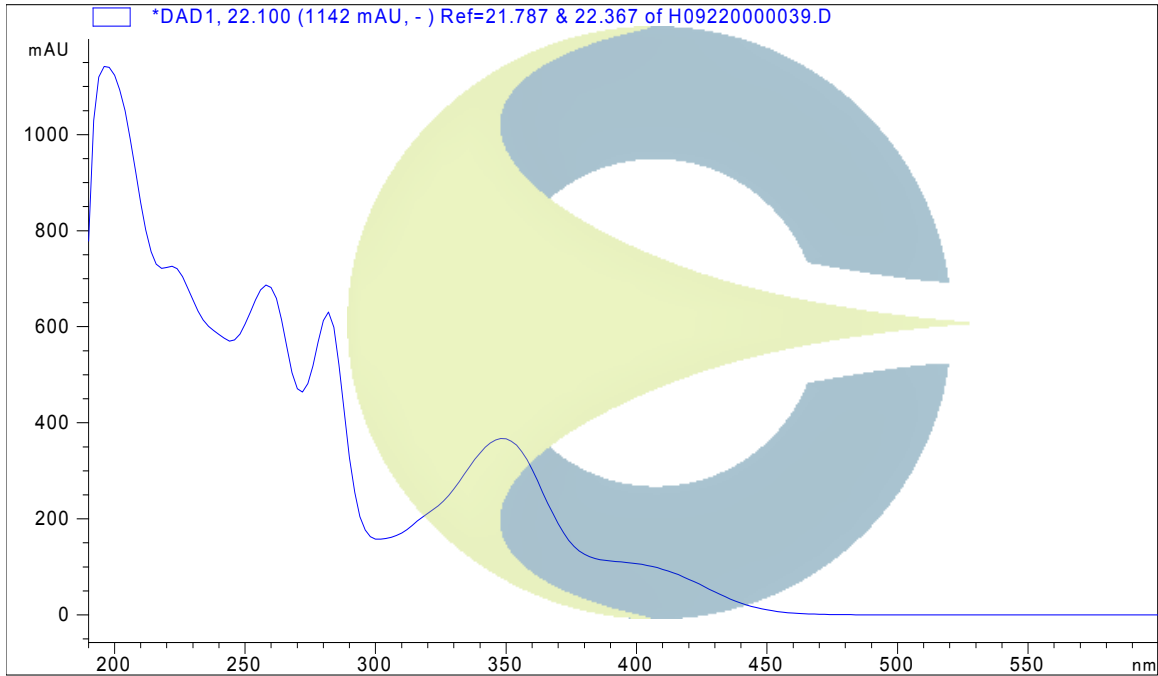
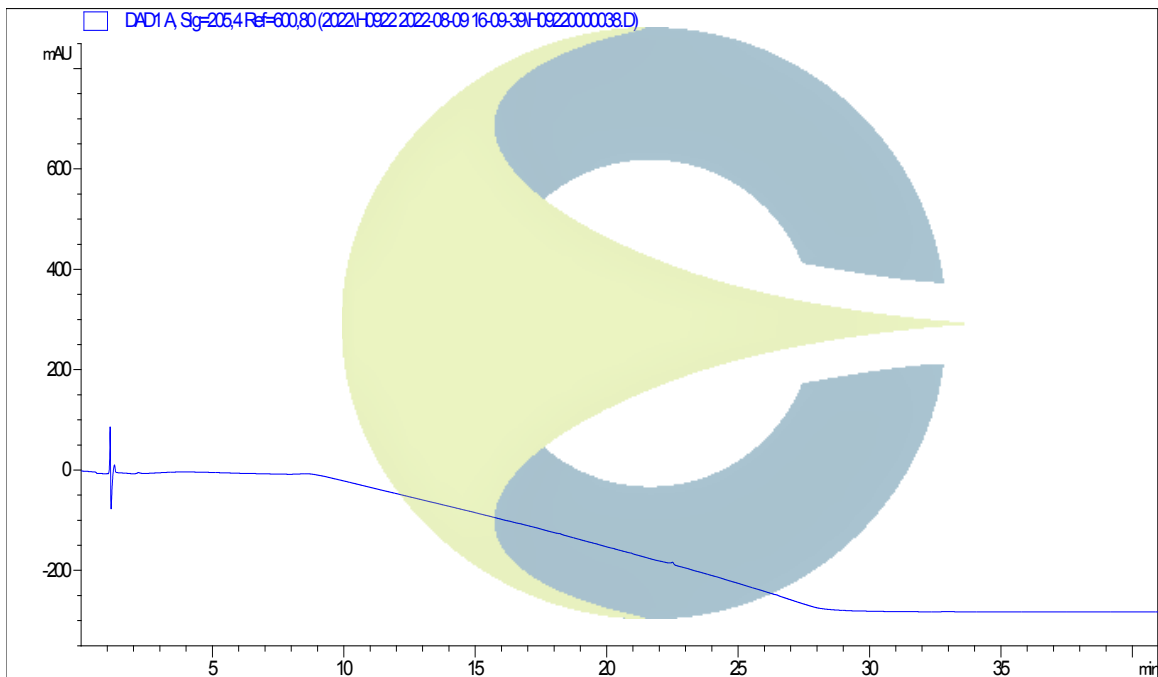
## ANALYTICAL CONDITIONS

<b>INSTRUMENT</b>	AGILENT 1260 HPLC UV-VIS (DAD); AGILENT 6510 QTOF
<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

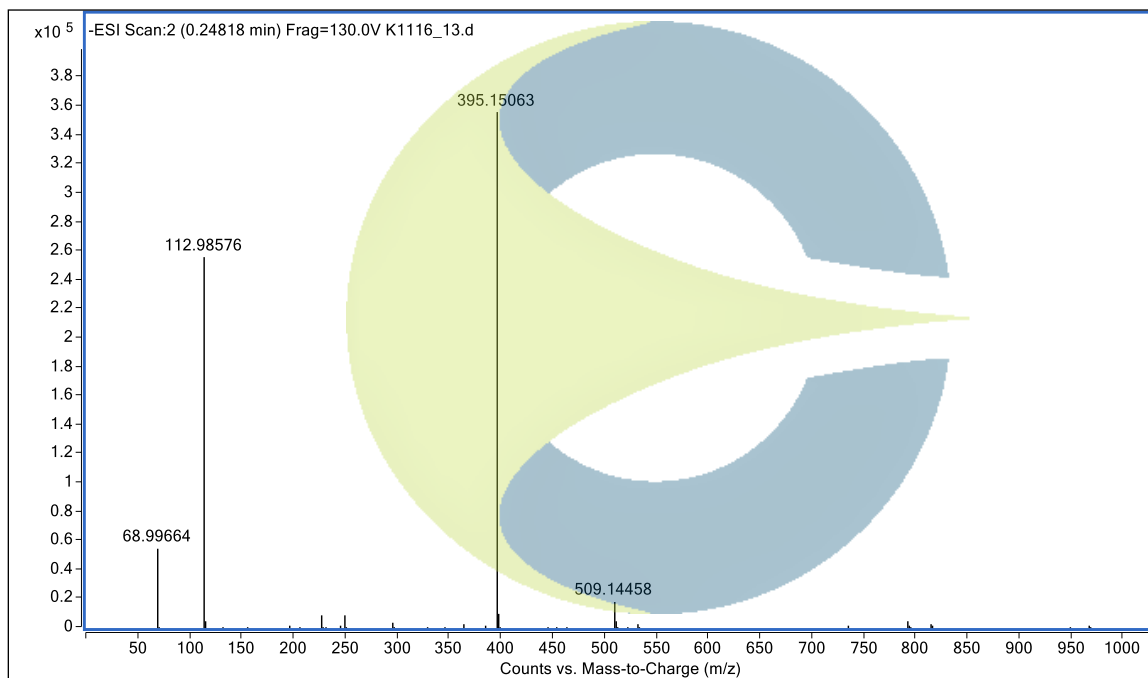
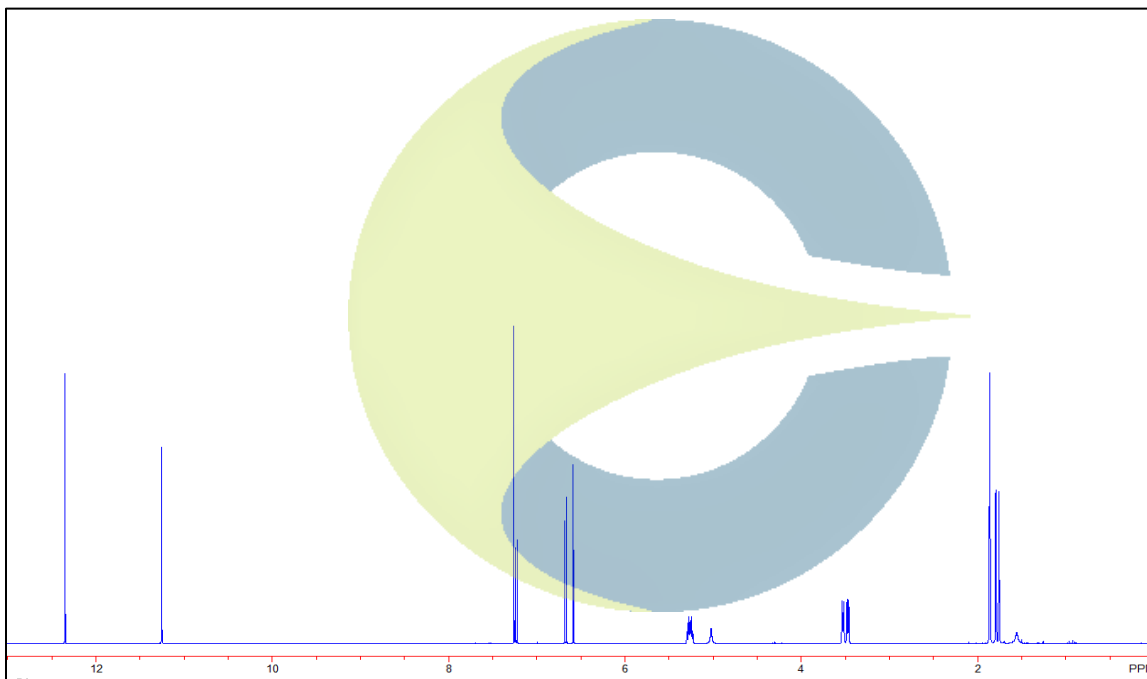
## HPLC CHROMATOGRAM OF GARTANIN (CDXP-22-00679)



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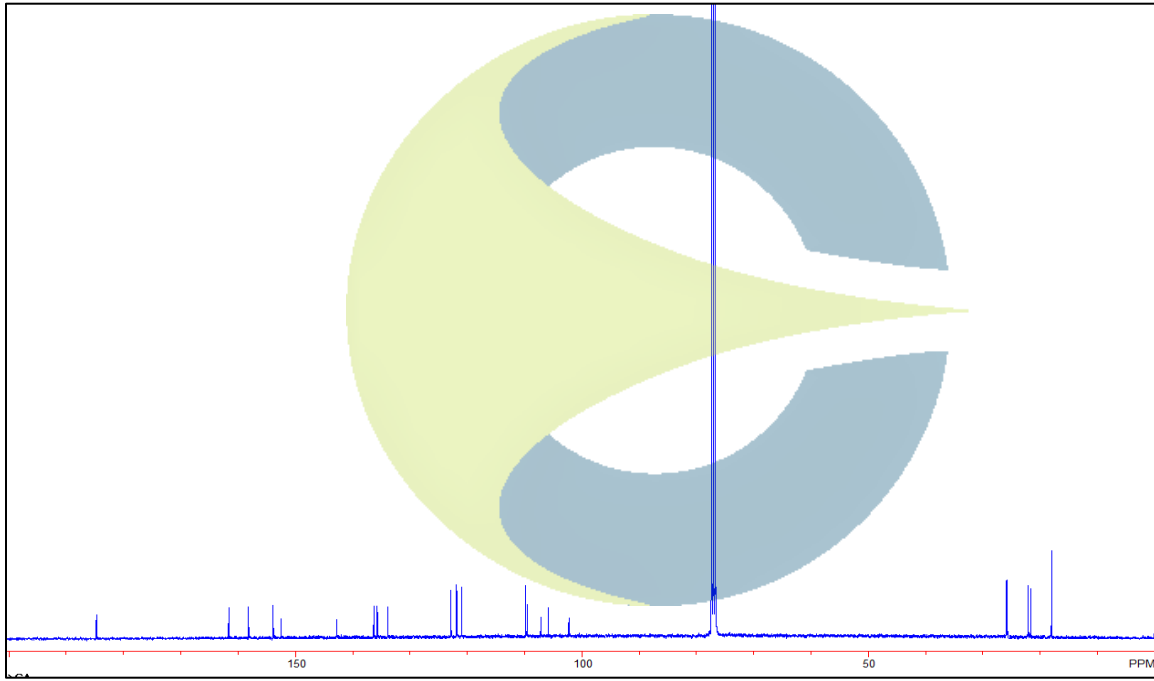
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**UV SPECTRUM AT RT = 22.1 MINUTES**

**HPLC CHROMATOGRAM OF DILUENT BLANK**


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**MASS SPECTRUM OF GARTANIN (CDXP-22-00679)**

**<sup>1</sup>H-NMR SPECTRUM OF GARTANIN (CDXP-22-00679) IN CDCl<sub>3</sub>**


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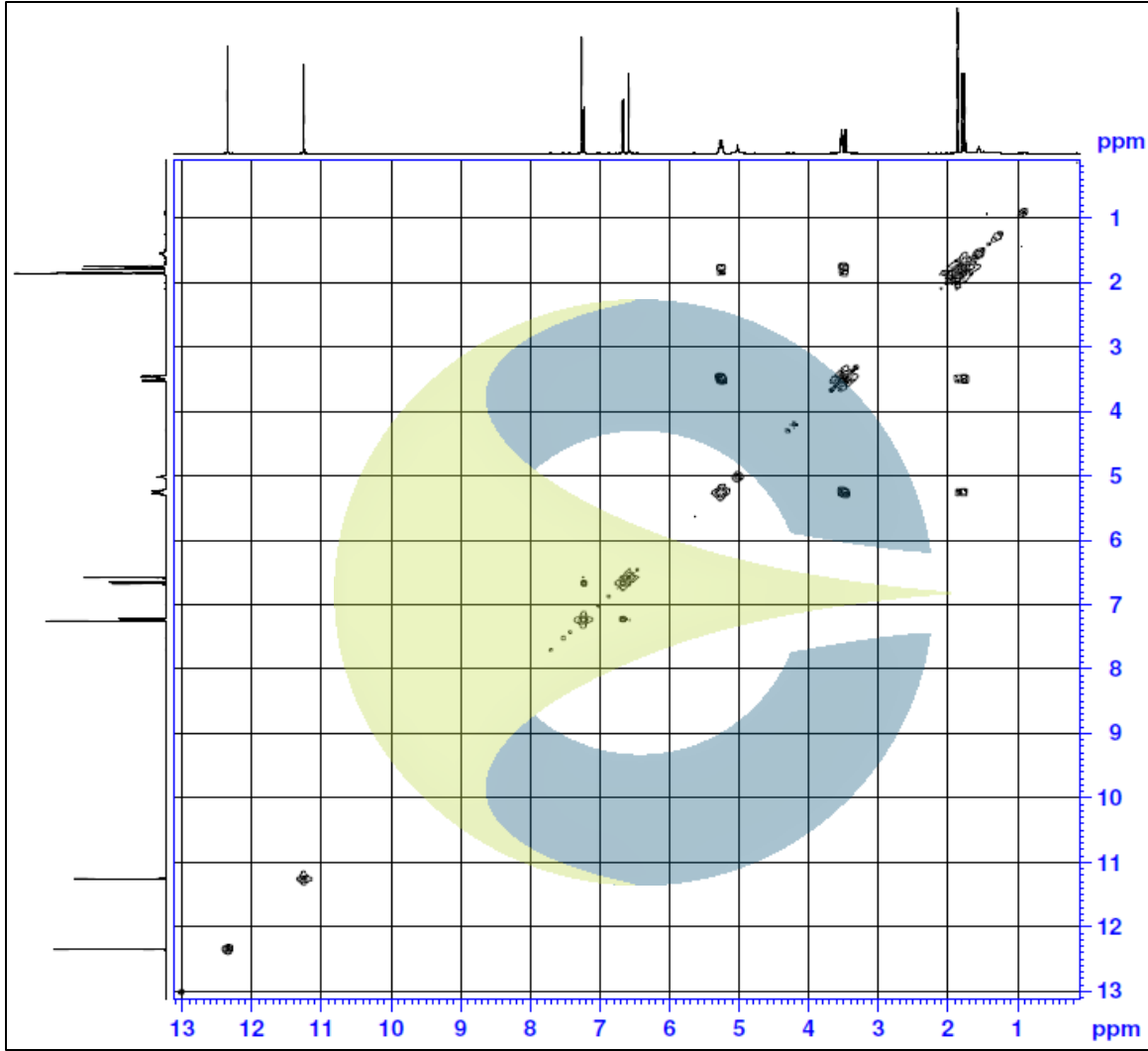
**<sup>13</sup>C-NMR SPECTRUM GARTANIN (CDXP-22-00679) IN CDCl<sub>3</sub>**



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**COSY-NMR SPECTRUM OF GARTANIN (CDXP-22-00679) IN CDCl<sub>3</sub>**

**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	08/30/2022	New report

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