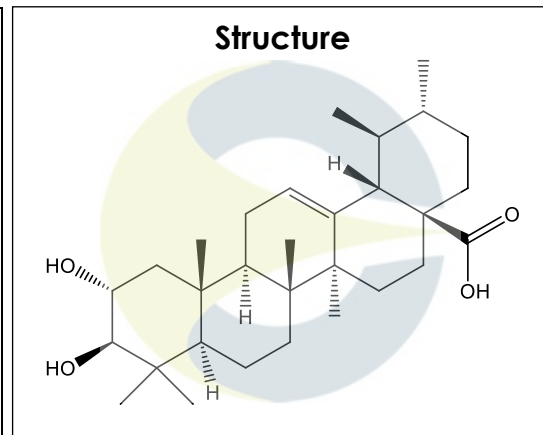


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<b>PRODUCT NAME</b>	Corosolic Acid
<b>PART NUMBER</b>	00003783
<b>STANDARD TYPE</b>	Primary (P)
<b>LOT NUMBER</b>	00003783-102
<b>REPORT NUMBER</b>	CDXA-RSS-10095-00
<b>SAMPLE NUMBER</b>	CHA202977
<b>DATE OF SAMPLE</b>	07Feb2023
<b>DATE OF REPORT</b>	07Mar2023



<b>CHEMICAL NAMES</b>	(2 $\alpha$ ,3 $\beta$ )- 2,3-dihydroxy-Urs-12-en-28-oic acid; 2 $\alpha$ ,3 $\beta$ -Dihydroxy ursolic acid; Colosolic acid
<b>CHEMICAL FORMULA</b>	C <sub>30</sub> H <sub>48</sub> O <sub>4</sub>
<b>MOLECULAR WEIGHT (MW)</b>	427.70
<b>CHEMICAL FAMILY</b>	Triterpenes
<b>CAS NUMBER</b>	[4547-24-4]
<b>EC#(EINECS)</b>	610-253-4
<b>RTECS</b>	YU95180000

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	96.0%
HPLC	0.700.10.2.METH22	≥ 90%	97.6%
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	1.6%
Appearance	NA	NA	White powder

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

ADJUSTED PURITY: 96.0% IS BASED ON (100 - 0.0 SOLVENTS - 1.6 WATER) X 97.6% HPLC

**STORAGE CONDITIONS**

<b>STORAGE</b>	+4 °C in a dry place.
<b>EXPIRATION DATE</b>	02/2028 under the above conditions.

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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;

Minutes	%A	%B
0.0	95	5
5.0	95	5
25.0	5	95
40.0	5	95
41.0	95	5

**COLUMN TEMP.** 60 °C

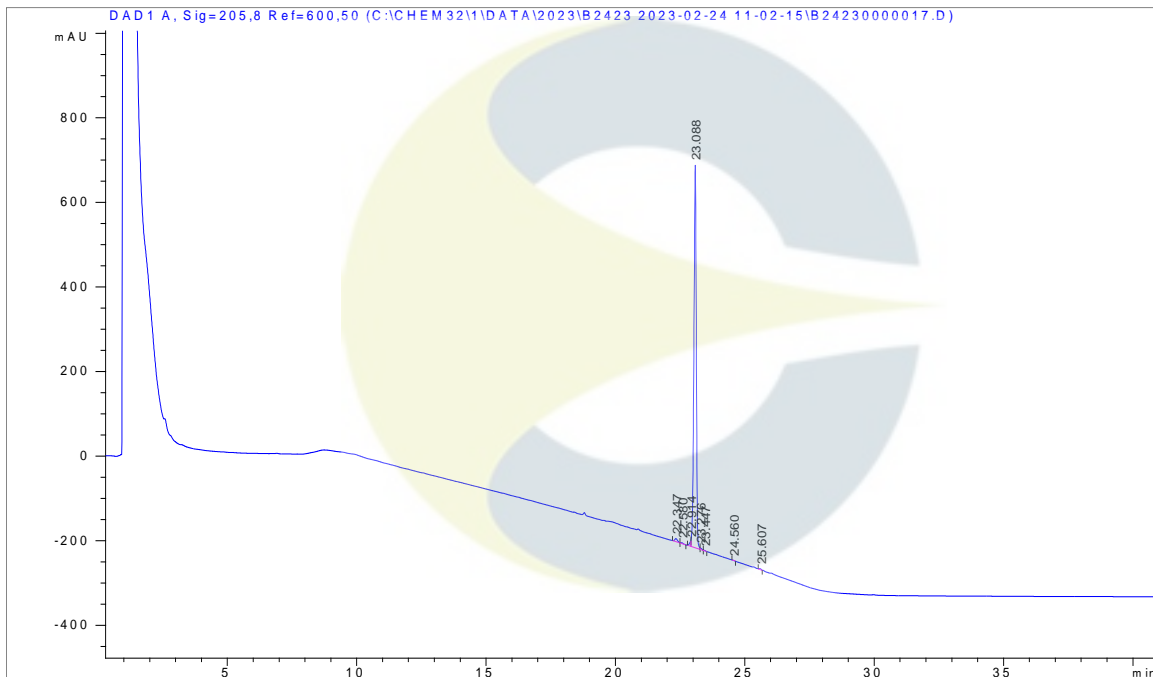
**FLOW RATE** 0.4 mL/minute

**INJECTION VOL.** 2.0 µL

**INJECTION CONC.** 2.0 mg/mL in DMSO

**DETECTION** 205 ± 4 nm

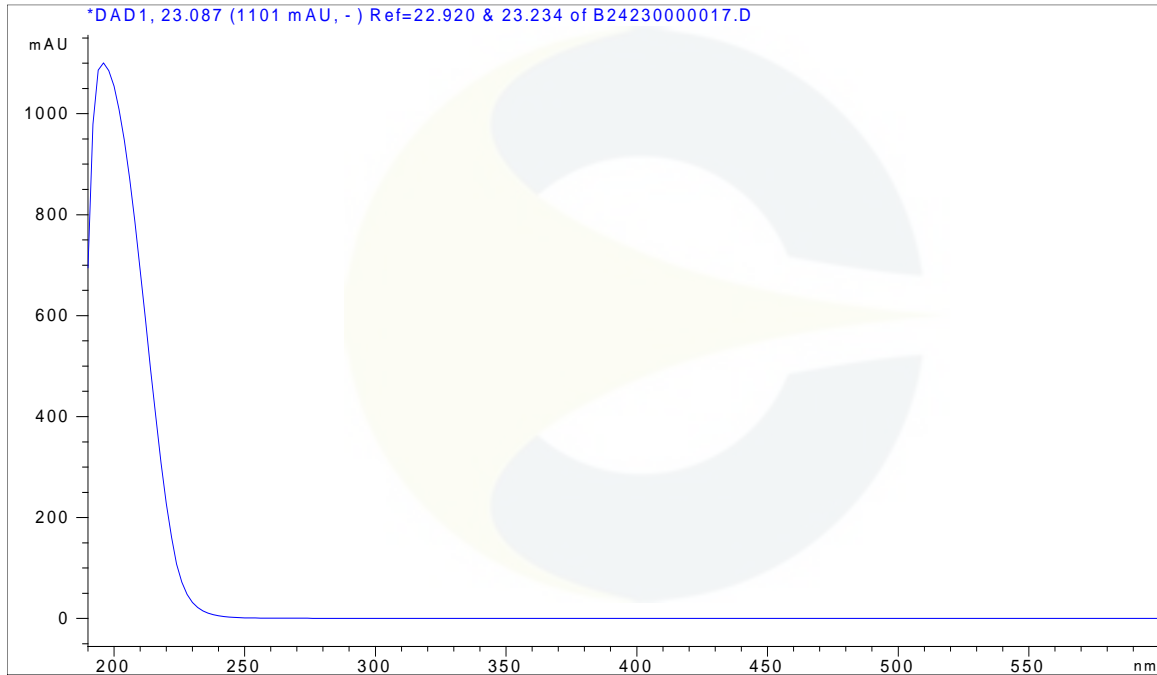
## HPLC CHROMATOGRAM OF COROSOLIC ACID (00003783-102)



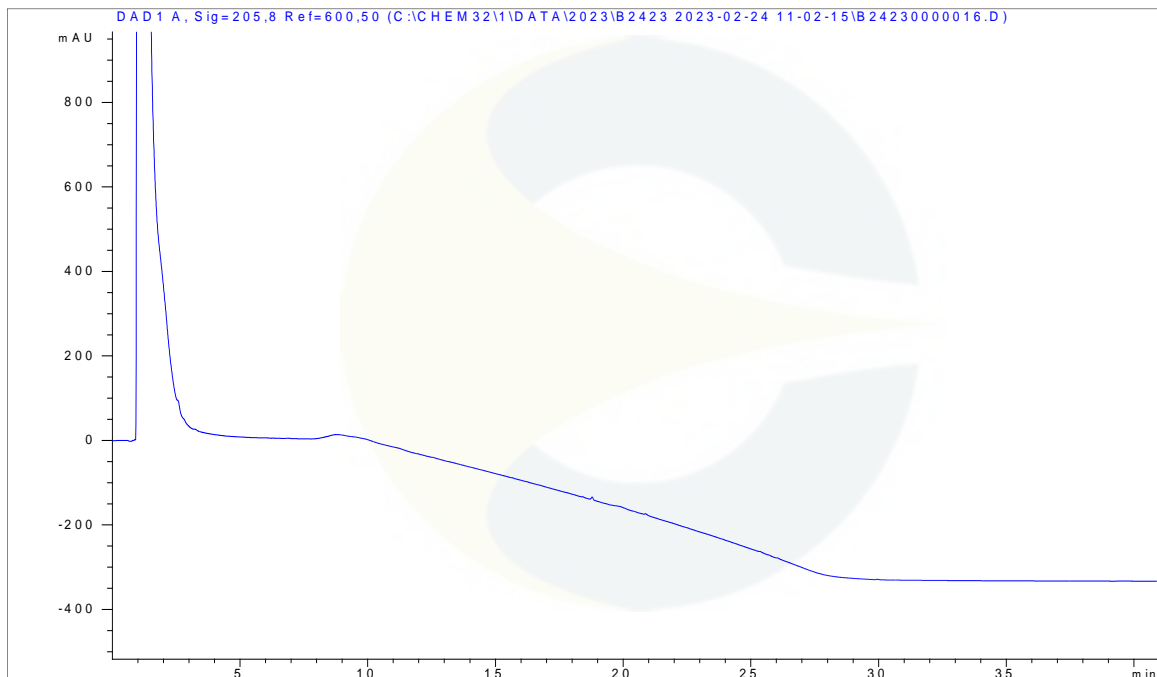
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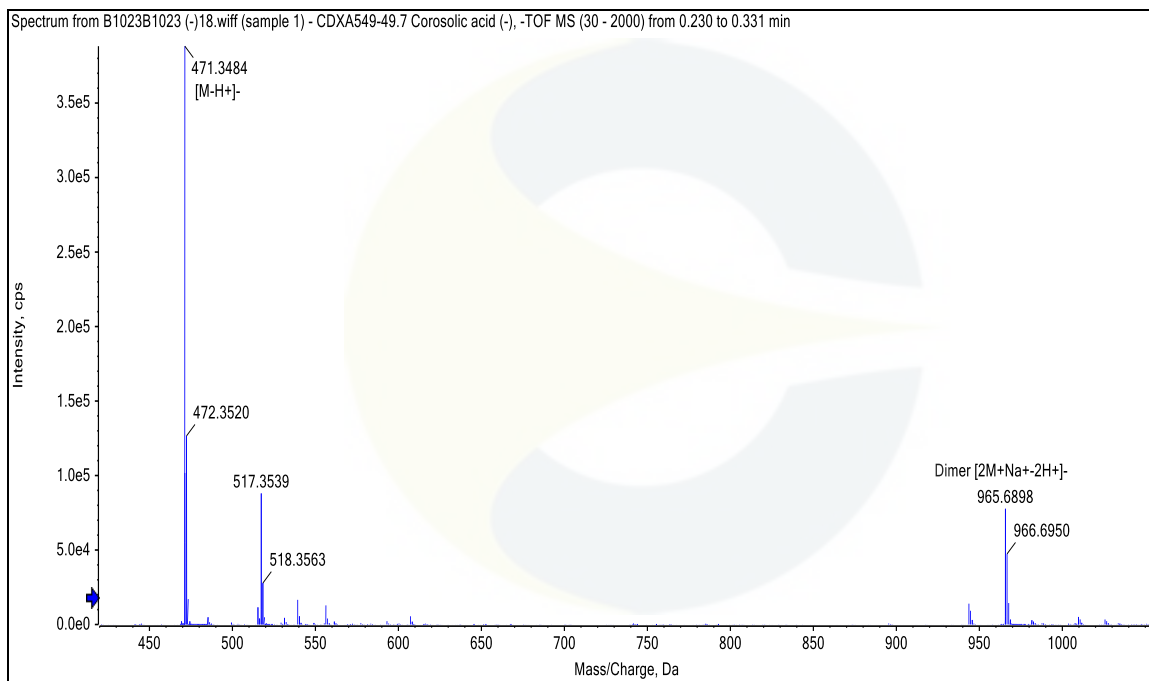
## UV SPECTRUM AT RT =23.1 MINUTES



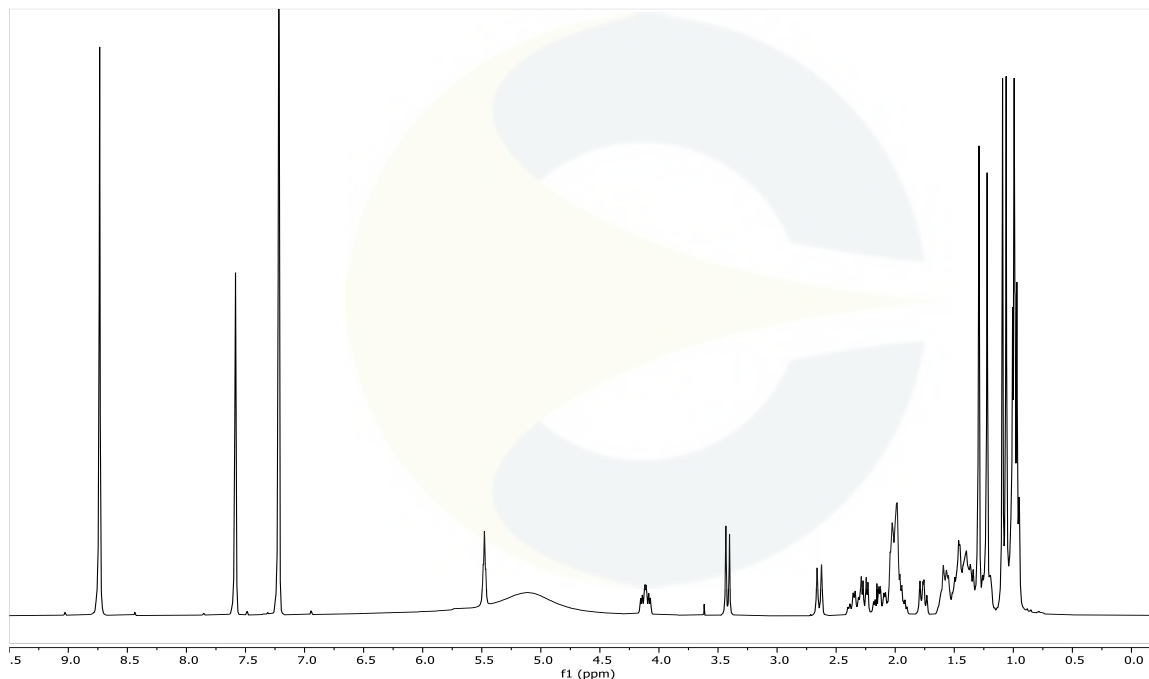
## HPLC CHROMATOGRAM OF DILUENT BLANK



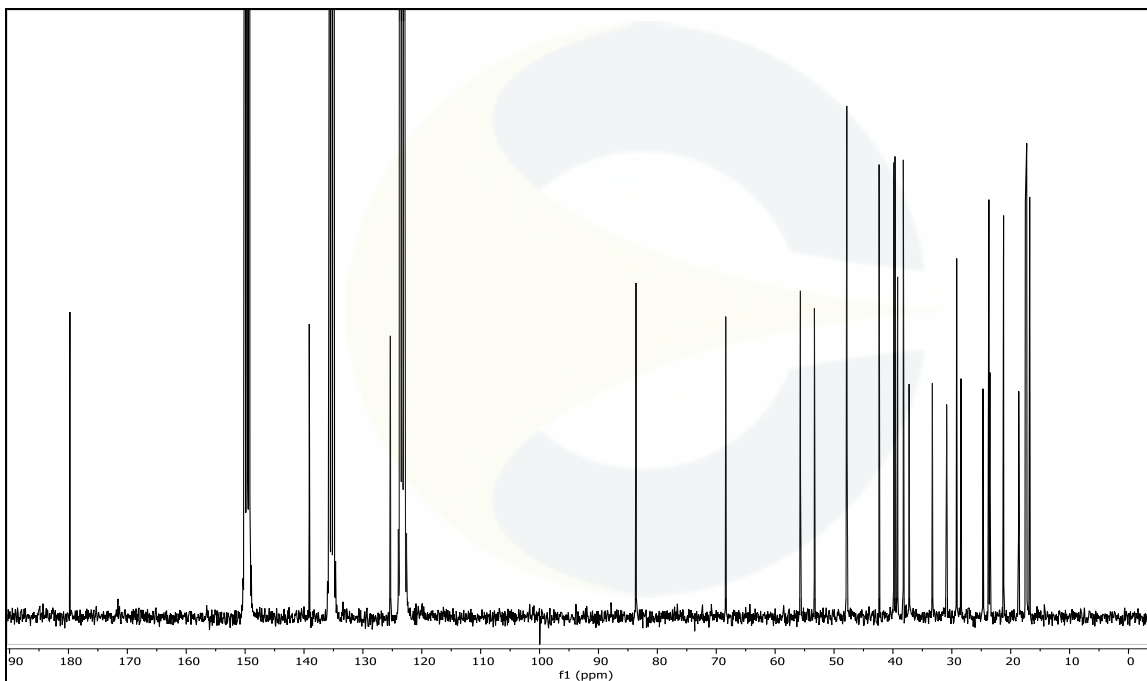
**MASS SPECTRUM OF COROSOLIC ACID (00003783-102)**



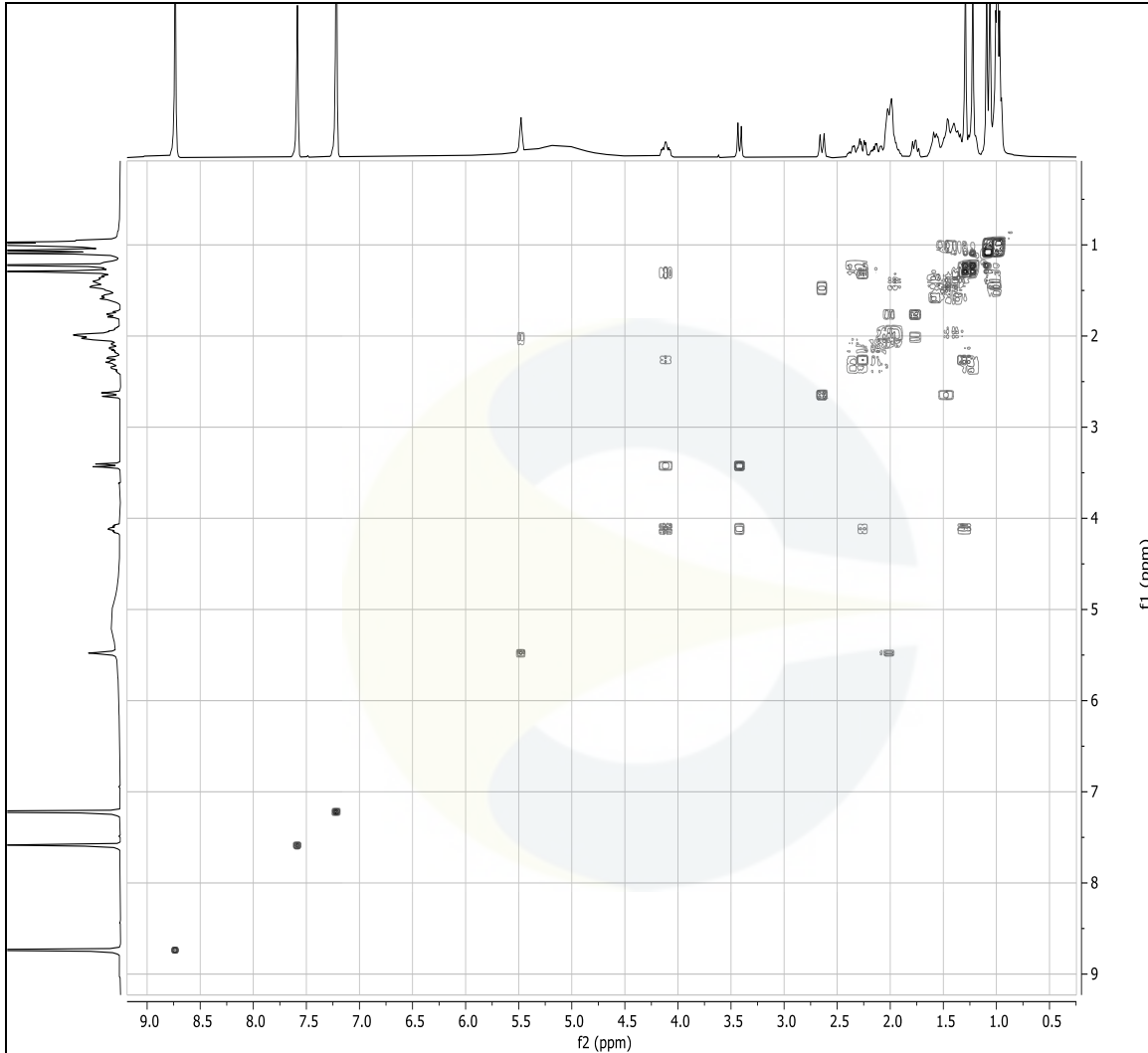
**<sup>1</sup>H-NMR SPECTRUM OF COROSOLIC ACID (00003783-102) IN PYRIDINE-d<sub>5</sub>**



<sup>13</sup>C-NMR SPECTRUM COROSOLIC ACID (00003783-102) IN PYRIDINE-d<sub>5</sub>



**COSY-NMR SPECTRUM OF COROSOLIC ACID (00003783-102) IN PYRIDINE-*d*<sub>5</sub>**



**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	07Mar2023	New report