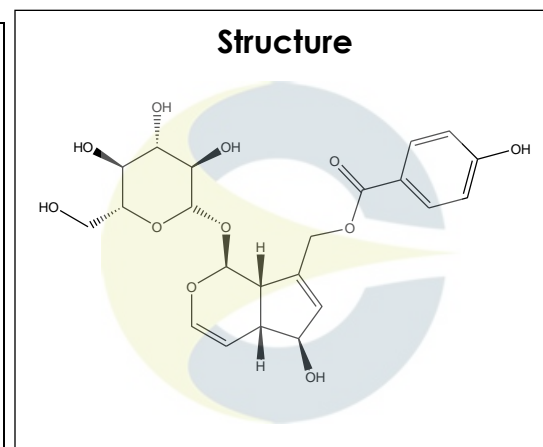


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<b>PRODUCT NAME</b>	Agnuside
<b>PART NUMBER</b>	00011150
<b>STANDARD TYPE</b>	Primary (P)
<b>LOT NUMBER</b>	00011150-041
<b>REPORT NUMBER</b>	CDXA-RSS-9666-00
<b>SAMPLE NUMBER</b>	CDXP-22-00031
<b>DATE OF SAMPLE</b>	02/02/2022
<b>DATE OF REPORT</b>	02/14/2022



<b>CHEMICAL NAMES</b>	(1S,4aR,5S,7aS)-1,4a,5,7a-Tetrahydro-5-hydroxy-7-(((4-hydroxybenzoyl)oxy)methyl)cyclopenta(c)pyran-1-yl β-D-glucopyranoside; Agnoside
<b>CHEMICAL FORMULA</b>	C <sub>22</sub> H <sub>26</sub> O <sub>11</sub>
<b>MOLECULAR WEIGHT (MW)</b>	466.44
<b>CHEMICAL FAMILY</b>	Iridoids
<b>CAS NUMBER</b>	[11027-63-7]
<b>EC#(EINECS)</b>	683-191-9
<b>RTECS</b>	NA

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	95.5%
HPLC	0.700.10.2.METH22	≥ 90%	99.4%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	Methanol 550 ppm
Water	0.700.12.37	NA	3.8%
Appearance	NA	NA	White powder

\*Testing performed at an ISO 17025 accredited subcontracted laboratory.  
 ADJUSTED PURITY: 95.5% IS BASED ON (100 - 0.1 SOLVENTS - 3.8 WATER) X 99.4% HPLC

**STORAGE CONDITIONS**

<b>STORAGE</b>	+4 °C in a dry place.
<b>EXPIRATION DATE</b>	02/2027 under the above conditions.

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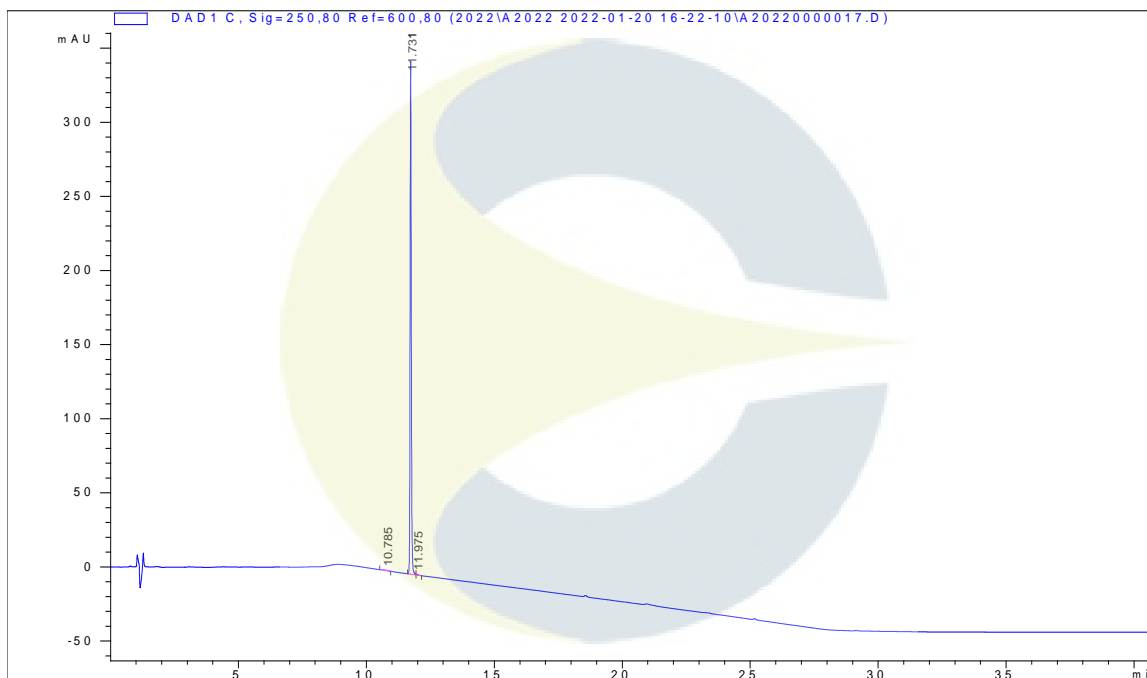
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## ANALYTICAL CONDITIONS

<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>	0.4 µL
<b>INJECTION CONC.</b>	1.0 mg/mL in Methanol
<b>DETECTION</b>	250 ± 40 nm

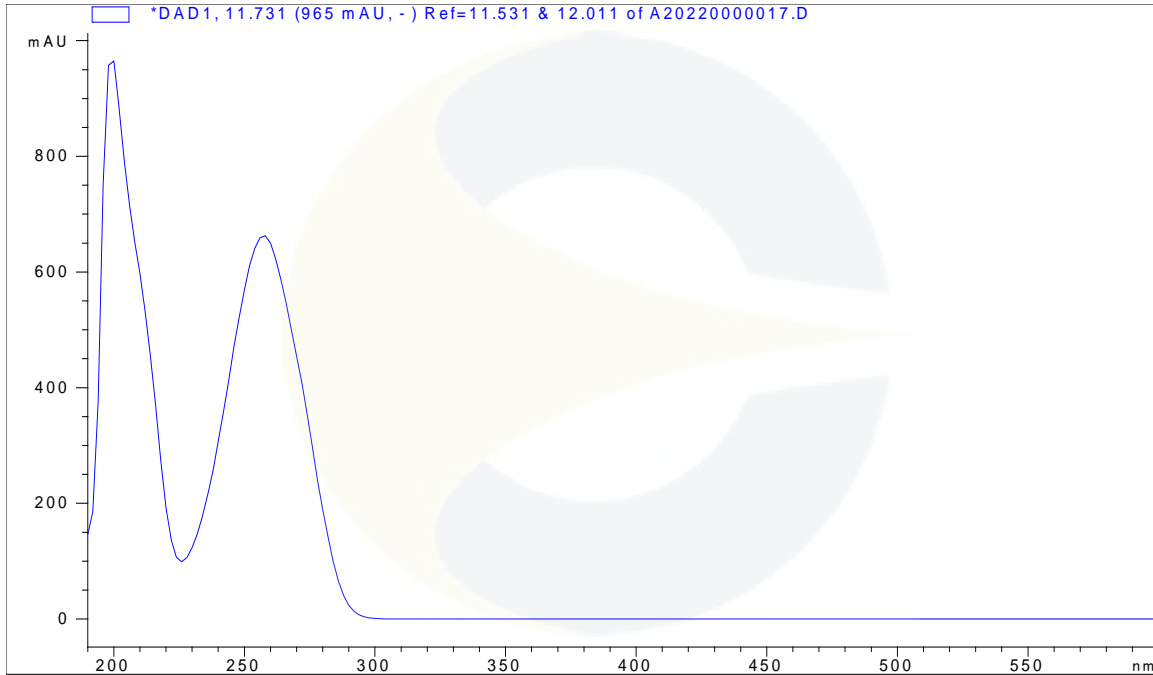
## HPLC CHROMATOGRAM OF AGNUSIDE (CDXP-22-00031)



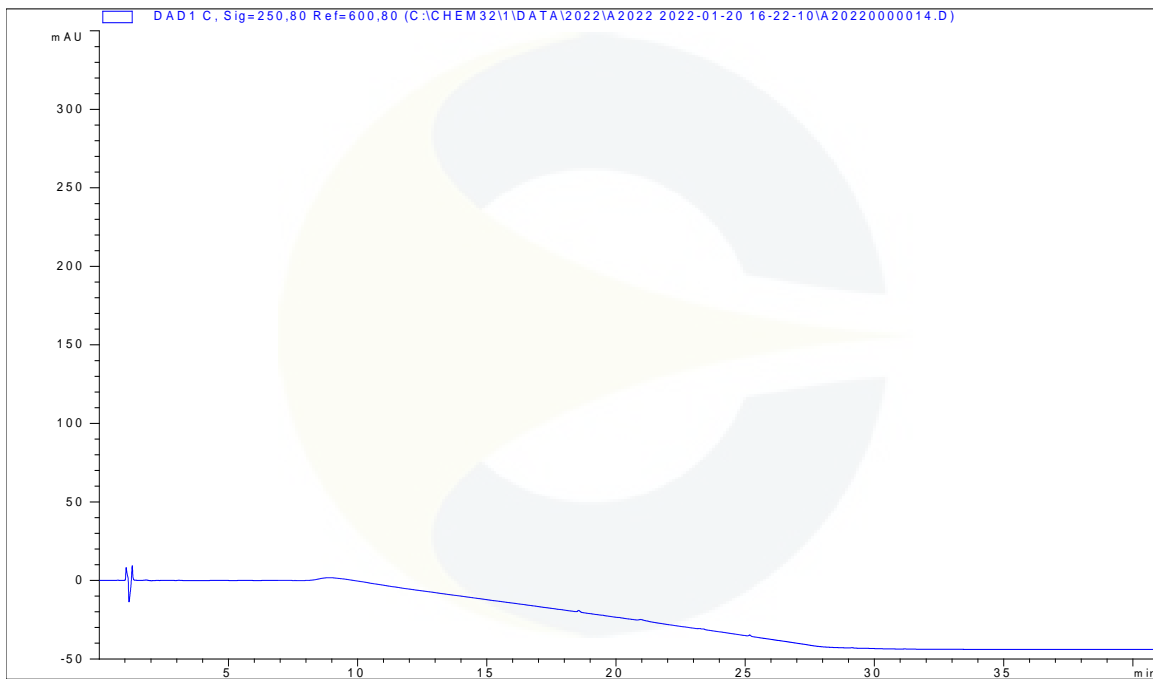
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**UV SPECTRUM AT RT = 11.7 MINUTES**



**HPLC CHROMATOGRAM OF DILUENT BLANK**



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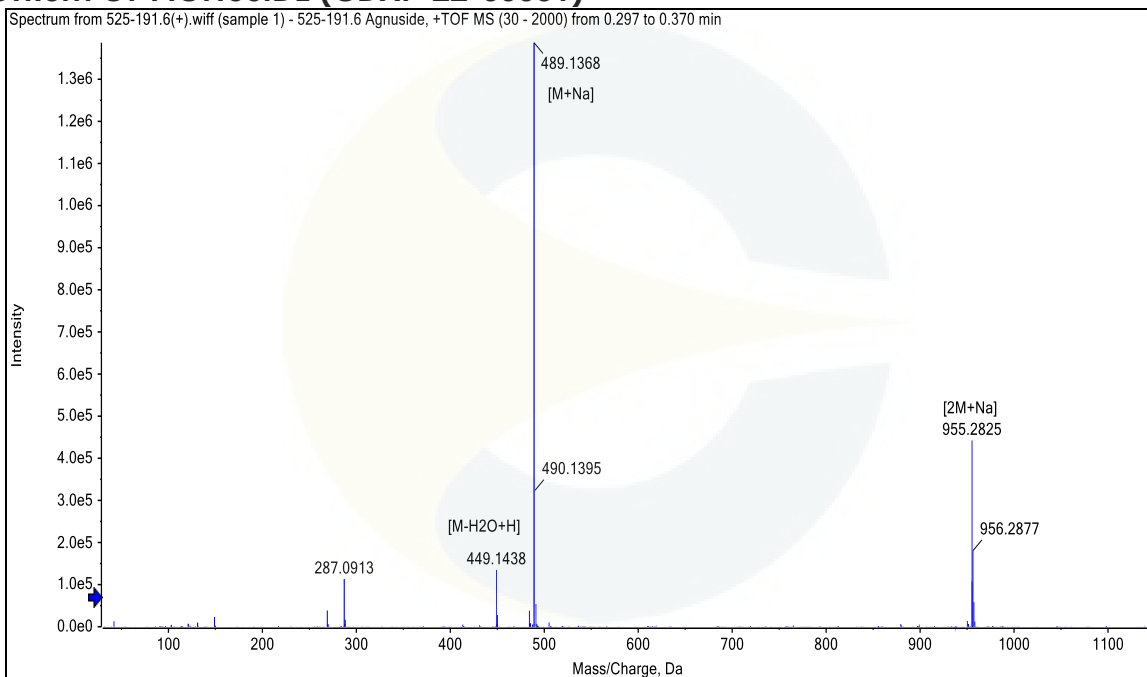
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Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

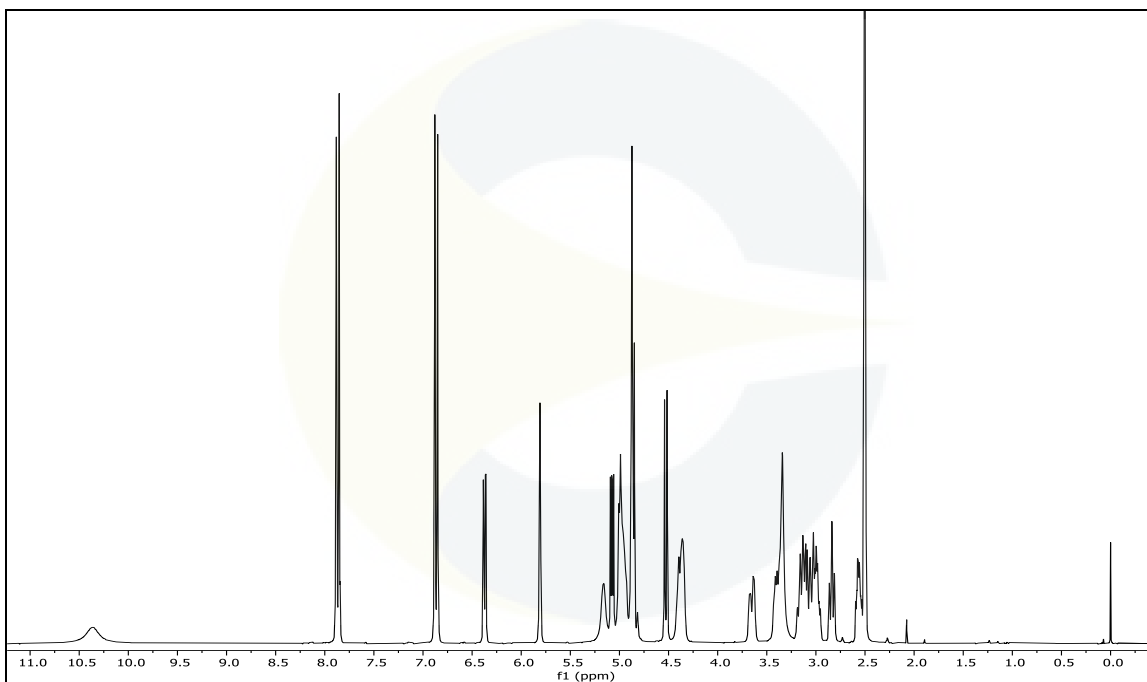
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**MASS SPECTRUM OF AGNUSIDE (CDXP-22-00031)**



**<sup>1</sup>H-NMR SPECTRUM OF AGNUSIDE (CDXP-22-00031) IN DMSO-d<sub>6</sub> + TMS**



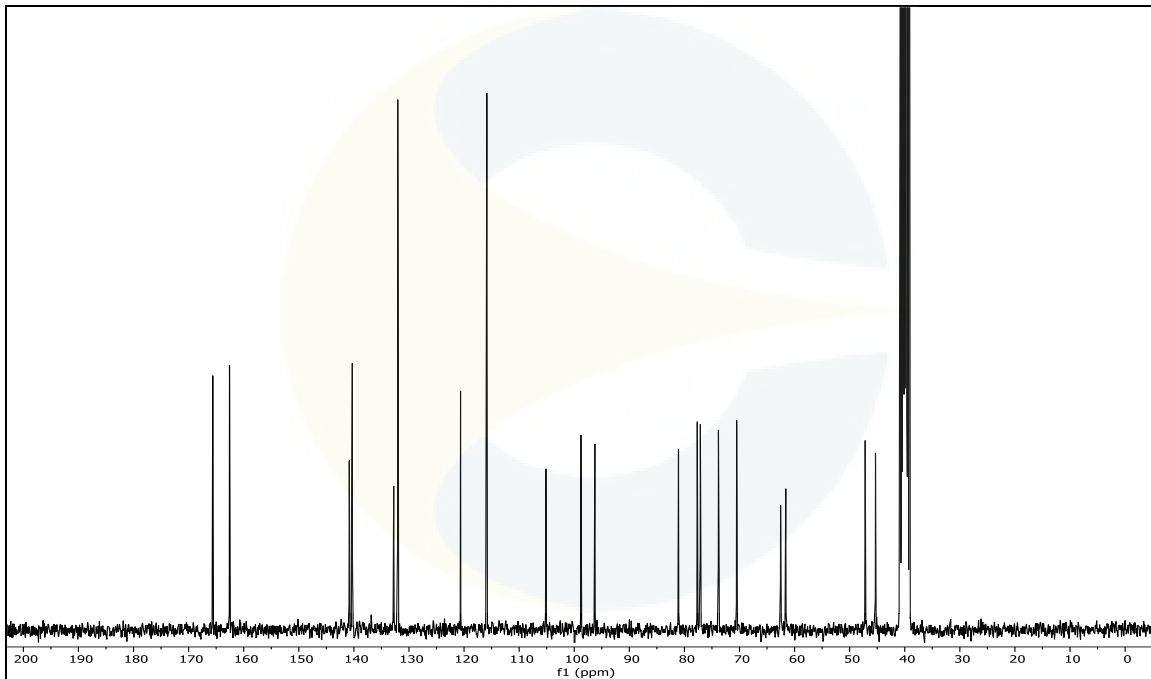
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 $^{13}\text{C}$ -NMR SPECTRUM AGNUSIDE (CDXP-22-00031) IN  $\text{DMSO-}d_6$  + TMS

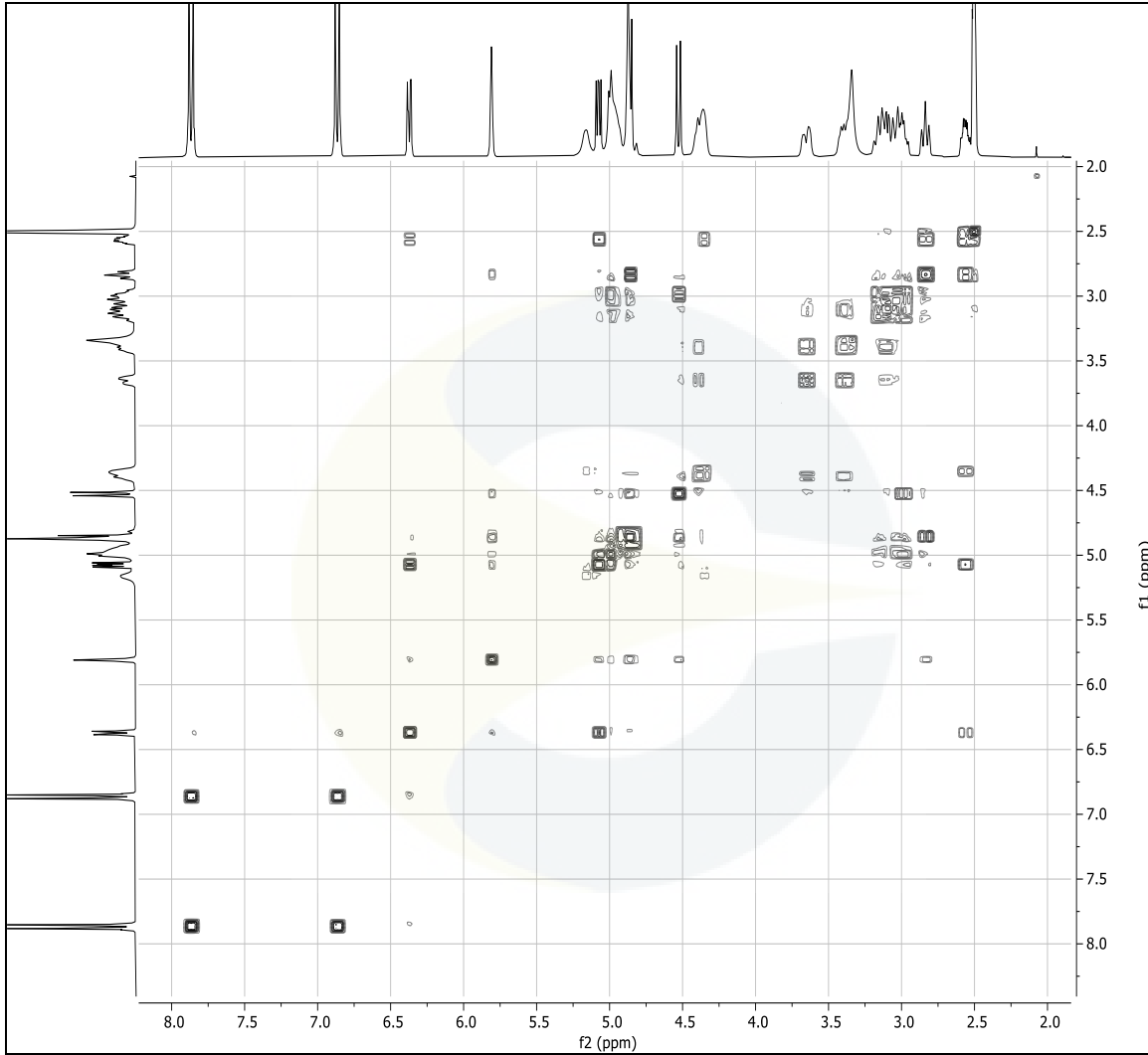
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**COSY-NMR SPECTRUM OF AGNUSIDE (CDXP-22-00031) IN DMSO-d<sub>6</sub> + TMS**



**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	02/14/2022	New report

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