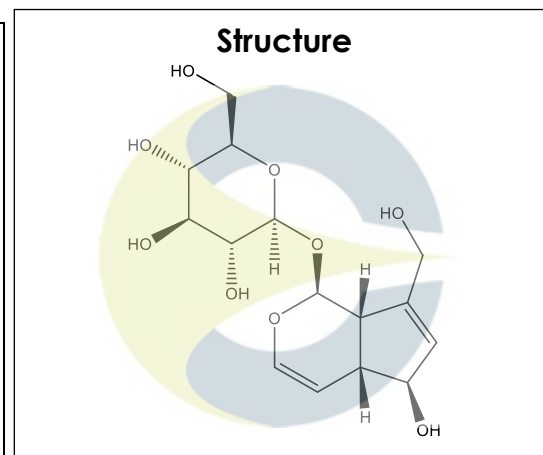


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<b>PRODUCT NAME</b>	Aucubin
<b>PART NUMBER</b>	00011085
<b>STANDARD TYPE</b>	Primary (P)
<b>LOT NUMBER</b>	00011085-01A
<b>REPORT NUMBER</b>	CDXA-RSS-9703-00
<b>SAMPLE NUMBER</b>	CDXP-22-00185
<b>DATE OF SAMPLE</b>	03/02/2022
<b>DATE OF REPORT</b>	03/22/2022



<b>CHEMICAL NAMES</b>	Acubin; Aucubine; Aucubosid; Aucuboside; Rhimantin
<b>CHEMICAL FORMULA</b>	C <sub>15</sub> H <sub>22</sub> O <sub>9</sub>
<b>MOLECULAR WEIGHT (MW)</b>	346.33
<b>CHEMICAL FAMILY</b>	Iridoids
<b>CAS NUMBER</b>	[479-98-1]
<b>EC#(EINECS)</b>	207-540-8
<b>RTECS</b>	LZ5776905

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	93.6%
HPLC	99.1-CDXA-2.0-000328	≥ 90%	98.5%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	EtOH – 1450 ppm
Water	0.700.12.37	NA	4.9%
Appearance	NA	NA	White powder

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

ADJUSTED PURITY: 93.6% IS BASED ON (100 - 0.1 SOLVENTS - 4.9 WATER) X 98.5% HPLC

**STORAGE CONDITIONS**

<b>STORAGE</b>	+4 °C in a dry place.
<b>EXPIRATION DATE</b>	03/2027 under the above conditions.

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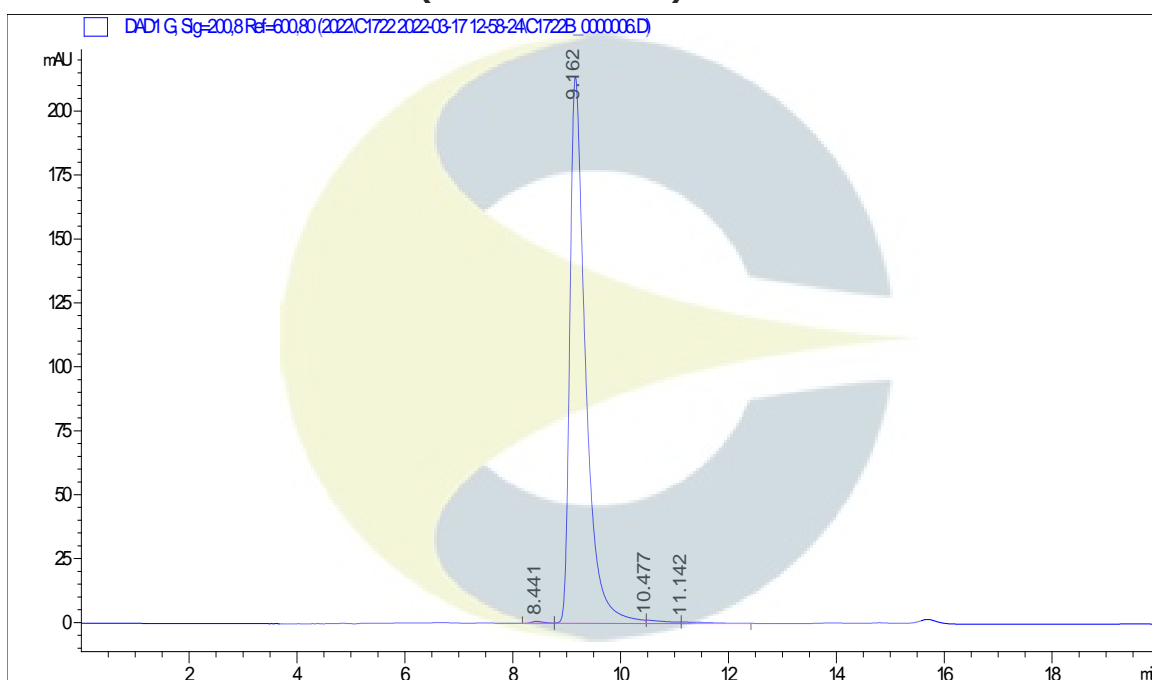
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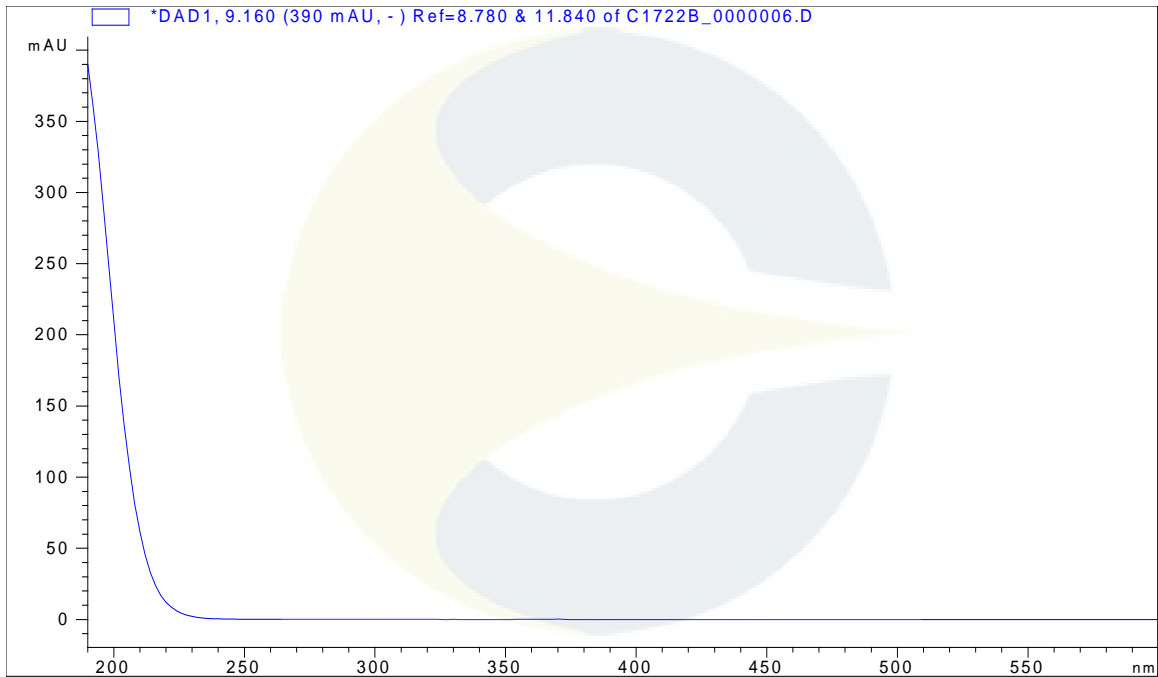
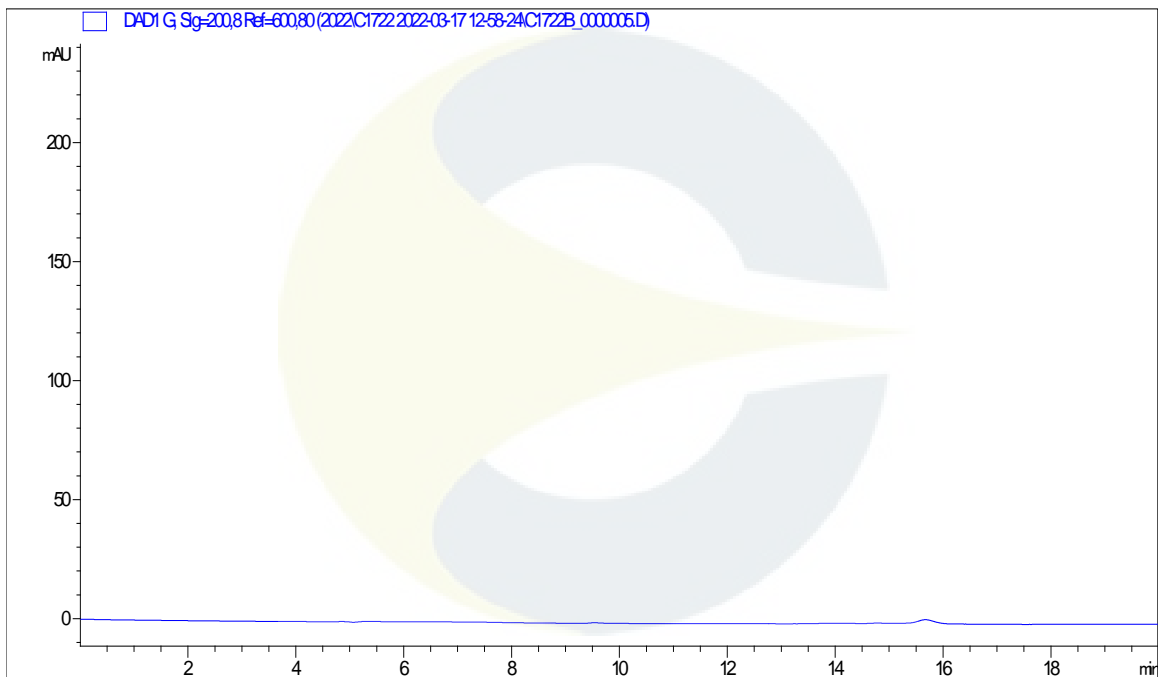
### ANALYTICAL CONDITIONS

<b>INSTRUMENT</b>	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
<b>COLUMN</b>	Shodex Asahipak NH2P-50 4E, 250 x 4.6 mm, 5 µm particle size
<b>MOBILE PHASE</b>	A – Ultrapure water. Isocratic 100% A for 20.0 minutes.
<b>COLUMN TEMP.</b>	60 °C
<b>FLOW RATE</b>	0.3 mL/minute
<b>INJECTION VOL.</b>	1.0 µL
<b>INJECTION CONC.</b>	0.98 mg/mL in (7:3) Ultrapure water:Acetonitrile
<b>DETECTION</b>	200 ± 4 nm

### HPLC CHROMATOGRAM OF AUCUBIN (CDXP-22-00185)



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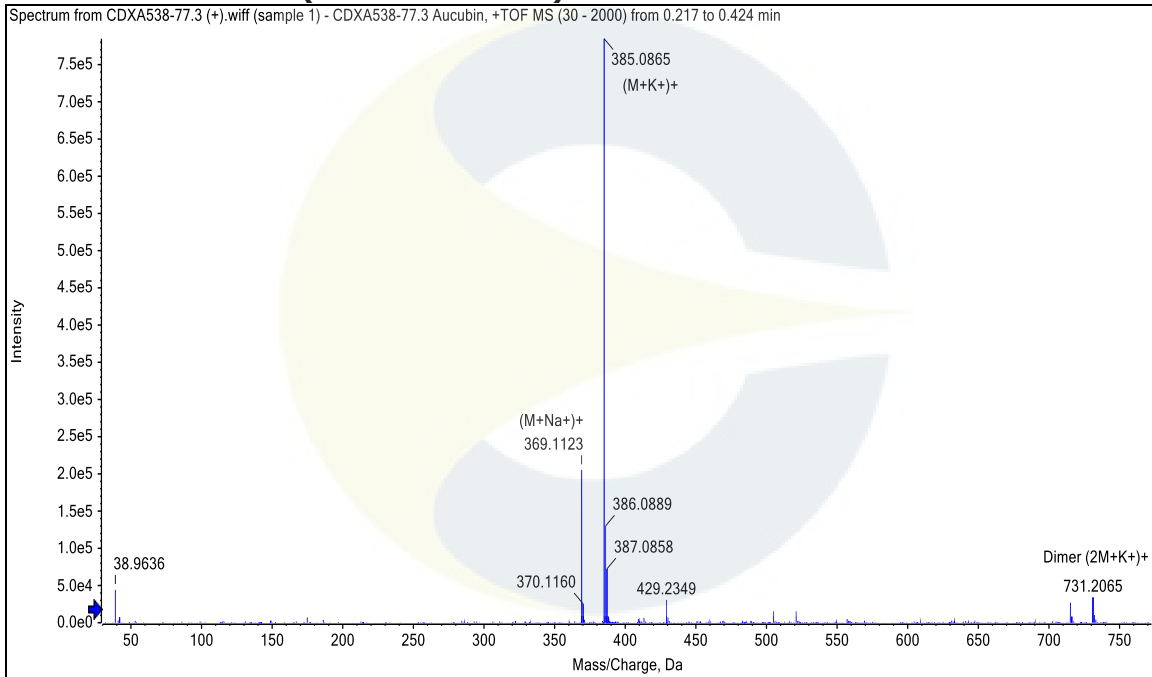
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**UV SPECTRUM AT RT = 9.2 MINUTES**

**HPLC CHROMATOGRAM OF DILUENT BLANK**


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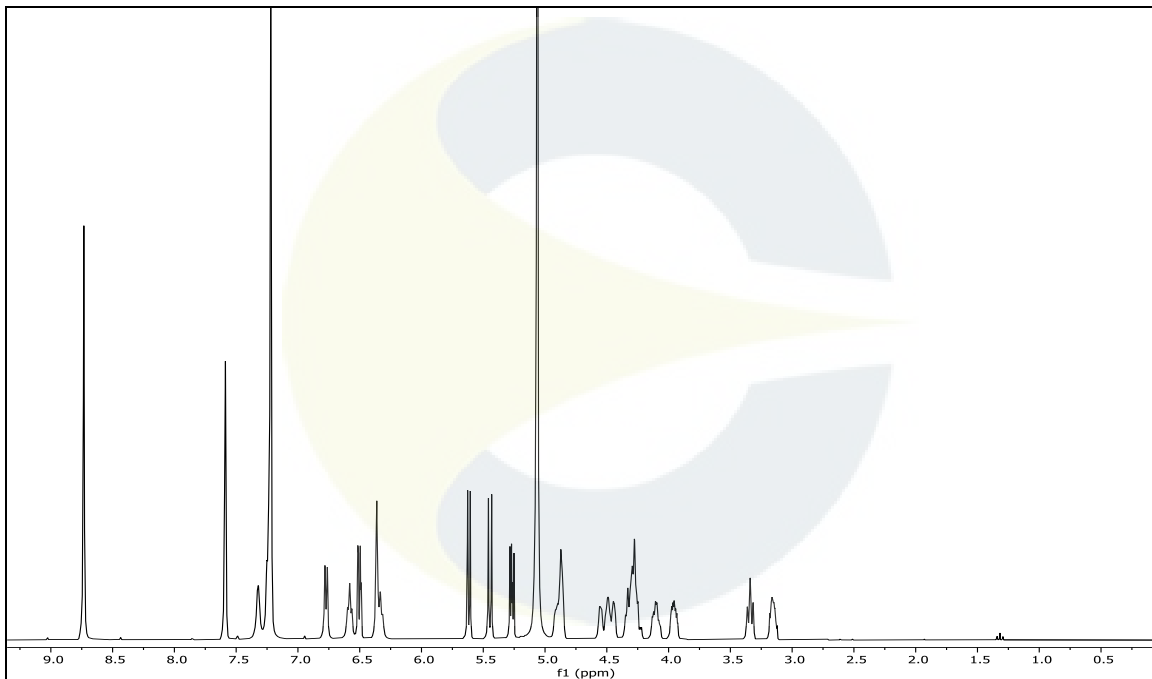
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 Email: [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com) Website: [www.lifetechindia.com](http://www.lifetechindia.com)

**MASS SPECTRUM OF AUCUBIN (CDXP-22-00185)**



**<sup>1</sup>H-NMR SPECTRUM OF AUCUBIN (CDXP-22-00185) IN PYRIDINE-d<sub>5</sub>**



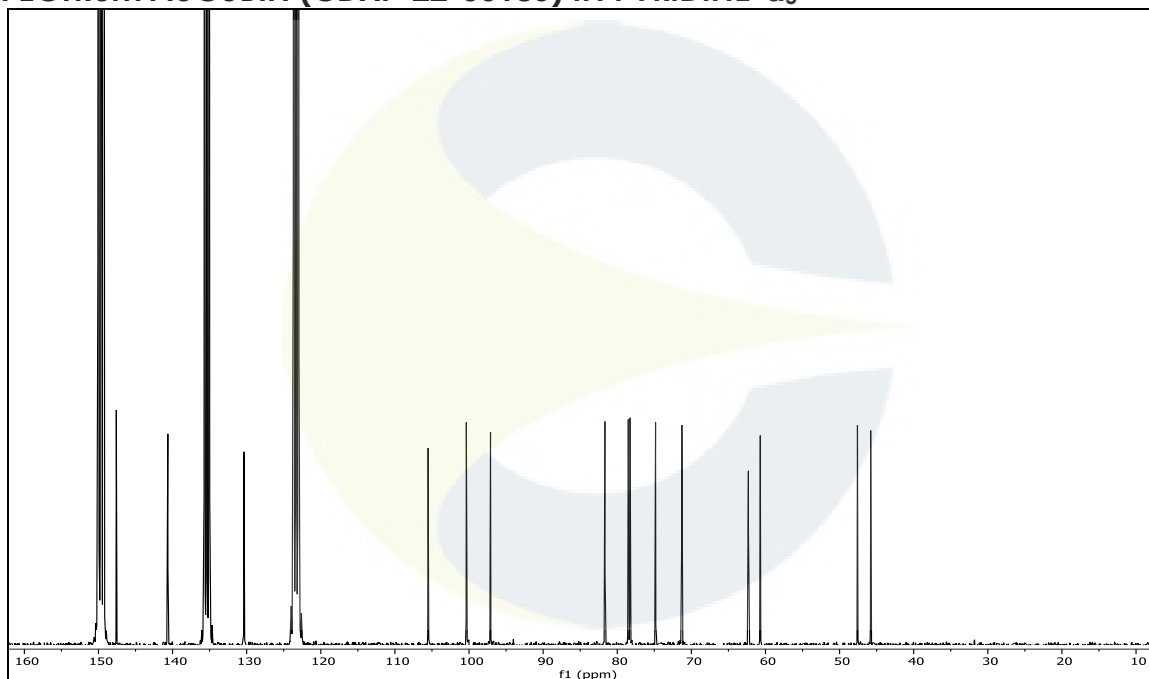
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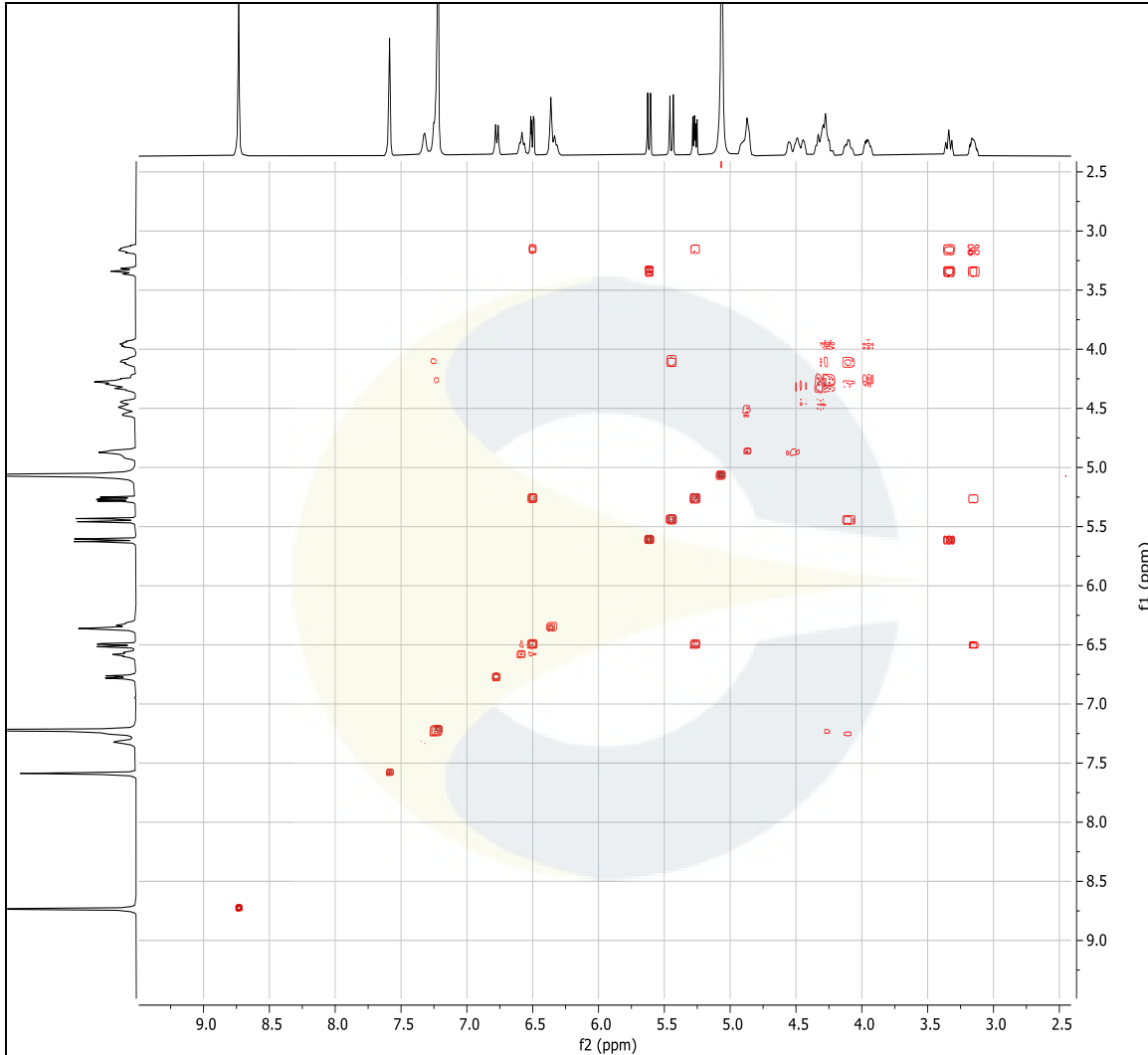
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<sup>13</sup>C-NMR SPECTRUM AUCUBIN (CDXP-22-00185) IN PYRIDINE-d<sub>5</sub>

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**COSY-NMR SPECTRUM OF AUCUBIN (CDXP-22-00185) IN PYRIDINE-d<sub>5</sub>**

**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	03/22/2022	New report

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