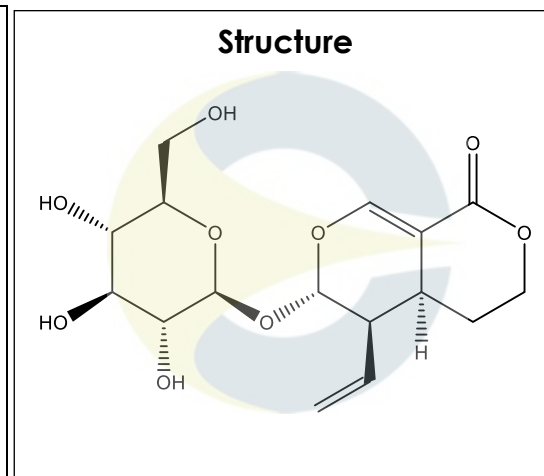


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<b>PRODUCT NAME</b>	Sweroside
<b>PART NUMBER</b>	00019435
<b>STANDARD TYPE</b>	Primary (P)
<b>LOT NUMBER</b>	00019435-830
<b>REPORT NUMBER</b>	CDXA-RSS-7283-01
<b>SAMPLE NUMBER</b>	CDXA-16-011635
<b>DATE OF SAMPLE</b>	09/12/2016
<b>DATE OF RE-EVALUATION</b>	03/05/2021
<b>DATE OF REPORT</b>	03/26/2021



<b>CHEMICAL NAMES</b>	(4aS-(4α,5β,6α))- 5-Ethenyl-6-(β-D-glucopyranosyloxy)-4,4a,5,6-tetrahydro-1H,3H-pyrano(3,4-c)pyran-1-one
<b>CHEMICAL FORMULA</b>	C <sub>16</sub> H <sub>22</sub> O <sub>9</sub>
<b>MOLECULAR WEIGHT (MW)</b>	358.34
<b>CHEMICAL FAMILY</b>	Iridoids
<b>CAS NUMBER</b>	[14215-86-2]
<b>EC#(EINECS)</b>	802-684-3
<b>RTECS</b>	UQ1366000

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	93.6%
HPLC	0.700.10.2.METH22	≥ 90%	97.6%
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-9.0-000115	NA	EtOAc < 0.1 %
Water	0.700.12.37	NA	4.1%
Appearance	NA	NA	White powder

ADJUSTED PURITY: 93.6% IS BASED ON (100 - 0.0 SOLVENTS - 4.1 WATER) X 97.6% HPLC

**STORAGE CONDITIONS**

<b>STORAGE</b>	-20 °C in a dry place.
<b>EXPIRATION DATE</b>	03/2026 under the above conditions.

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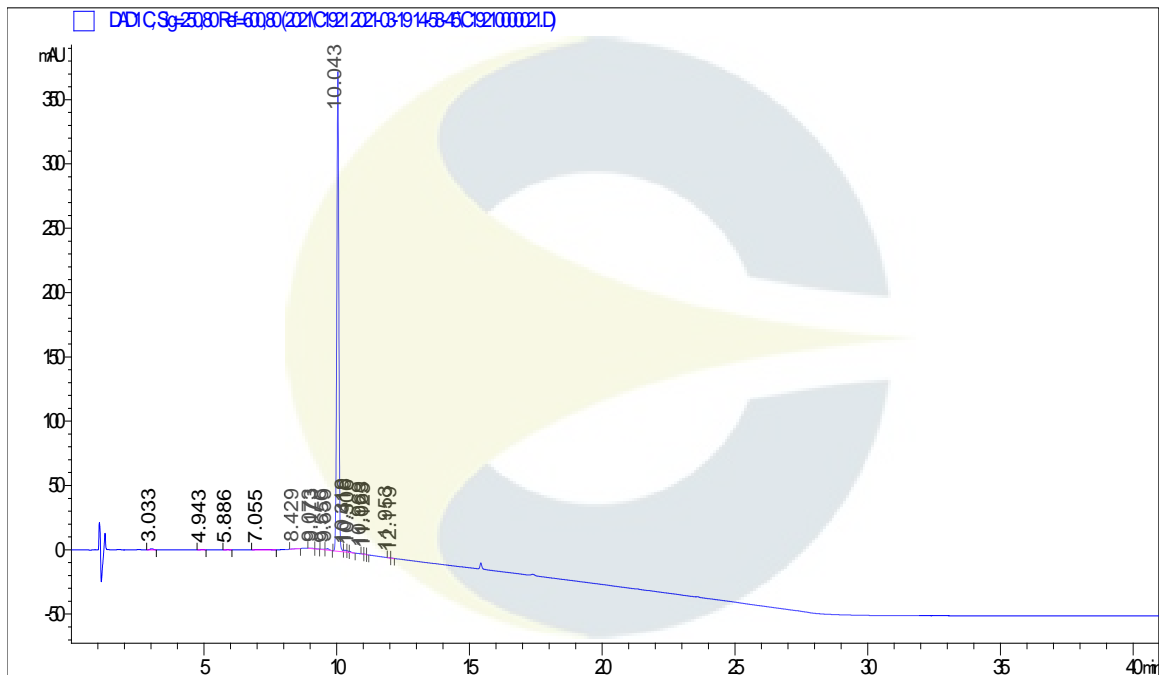
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## ANALYTICAL CONDITIONS

<b>INSTRUMENT</b>	AGILENT 1260 HPLC UV-VIS (DAD); AGILENT 1100 ION TRAP
<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>	1.0 µL
<b>INJECTION CONC.</b>	1.1 mg/mL in Methanol
<b>DETECTION</b>	250 ± 40 nm

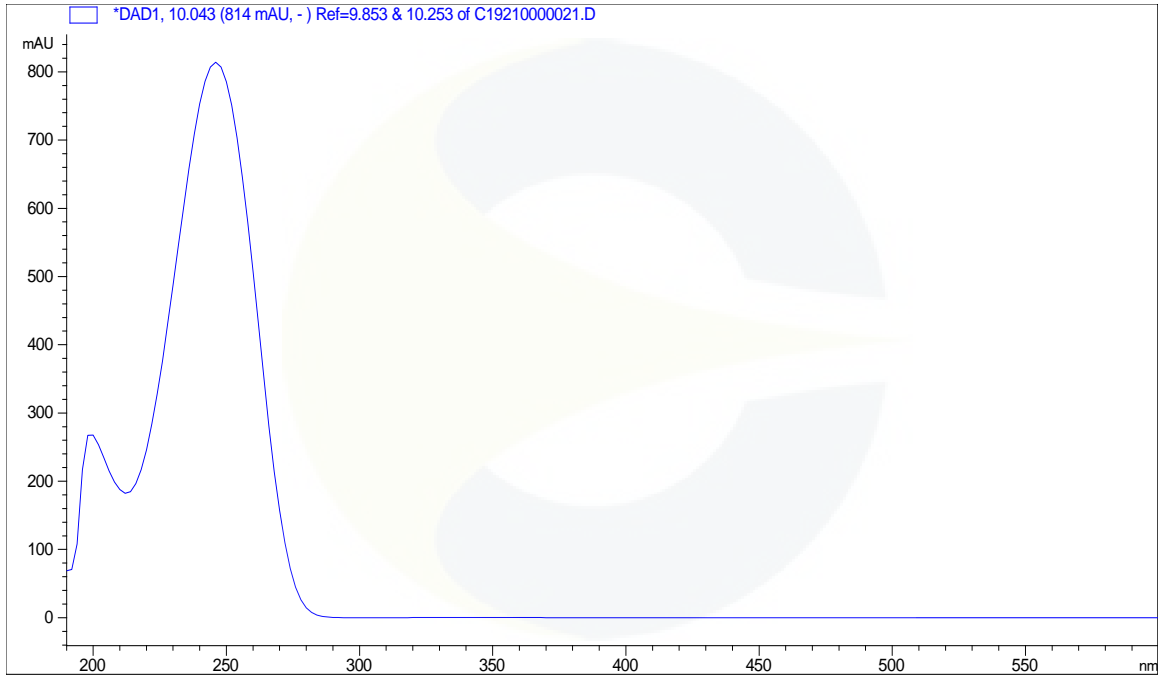
## HPLC CHROMATOGRAM OF SWEROSIDE (CDXA-16-011635)



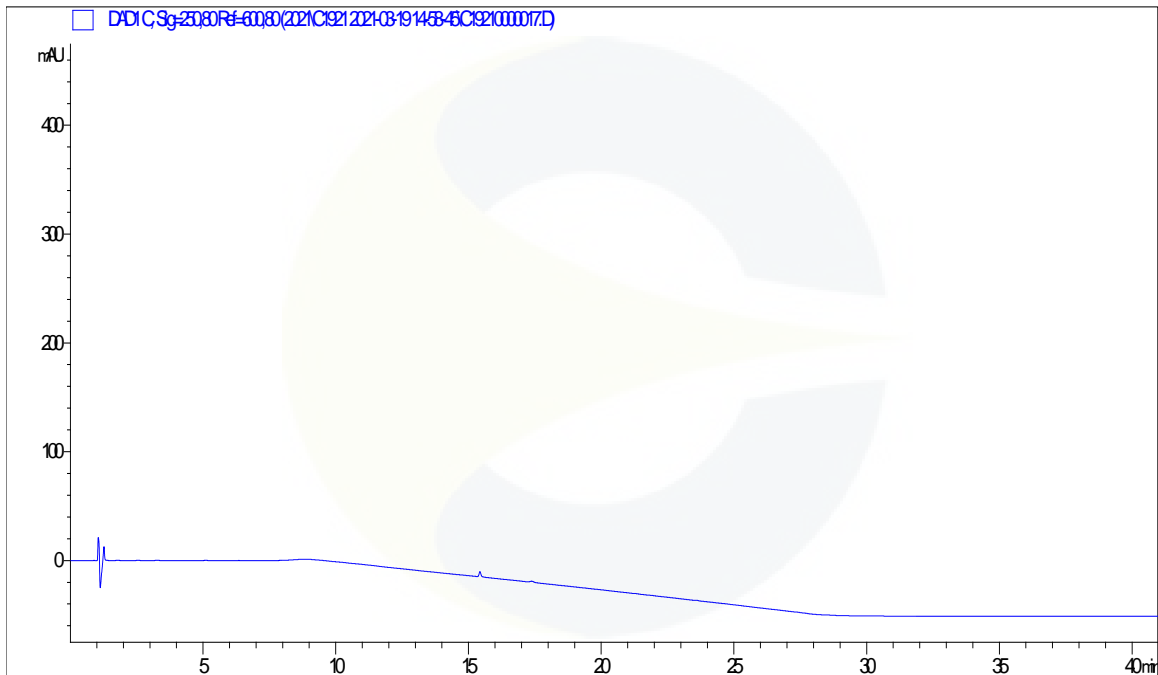
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**UV SPECTRUM AT 10.0 MINUTES**



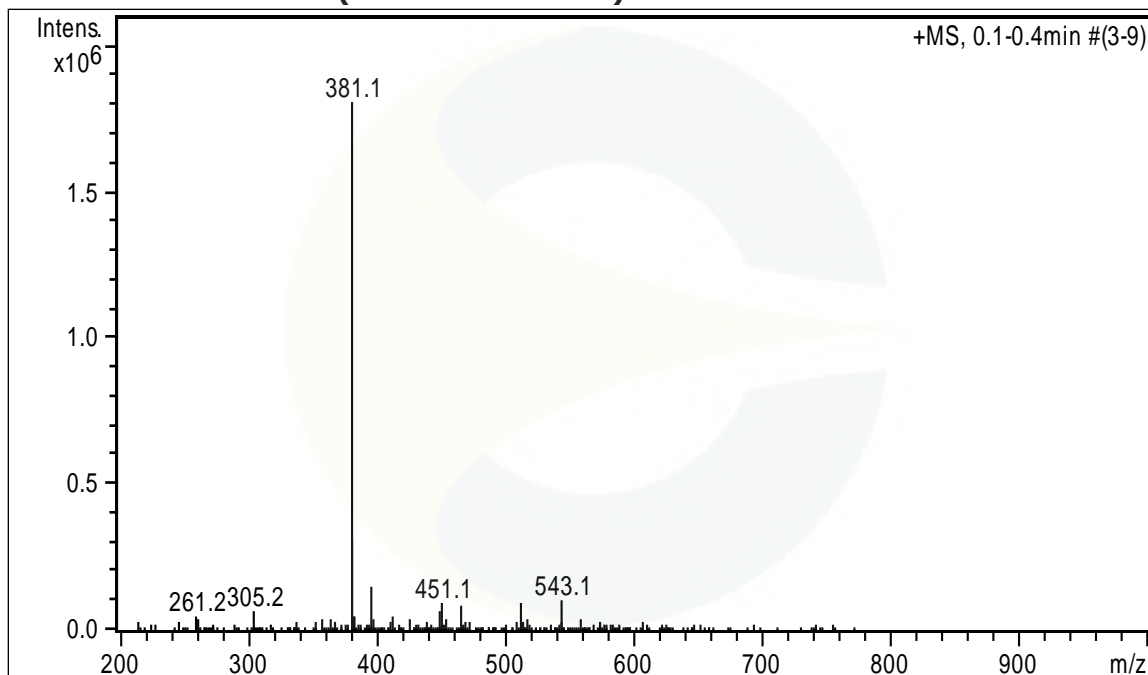
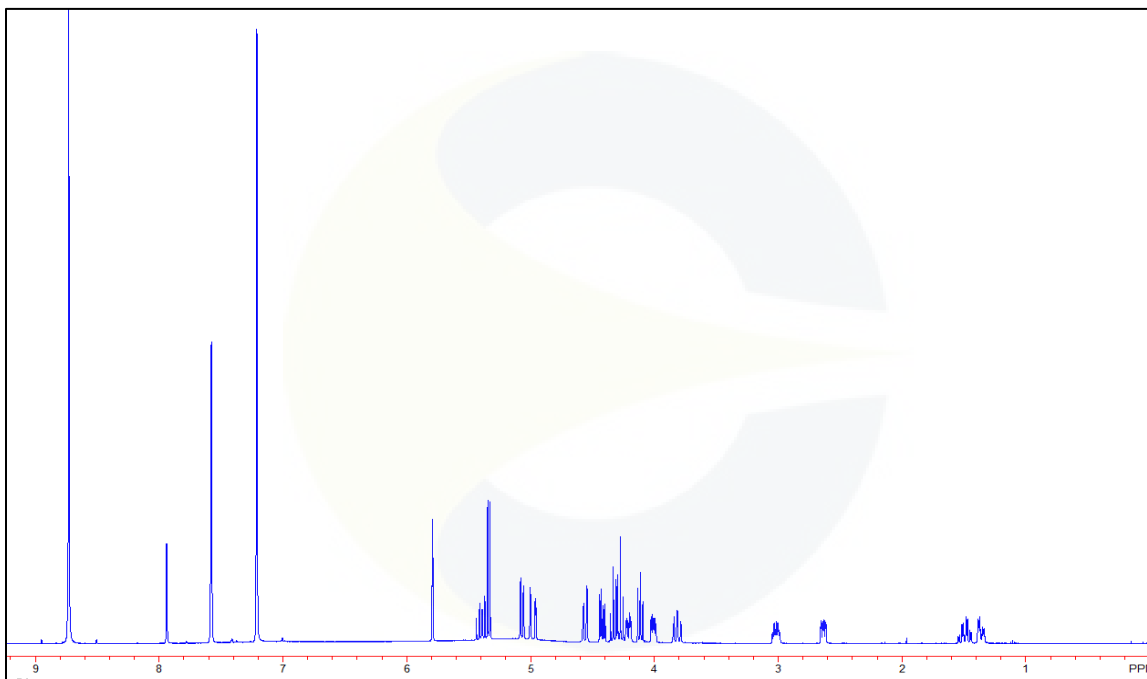
**HPLC CHROMATOGRAM OF DILUENT BLANK**



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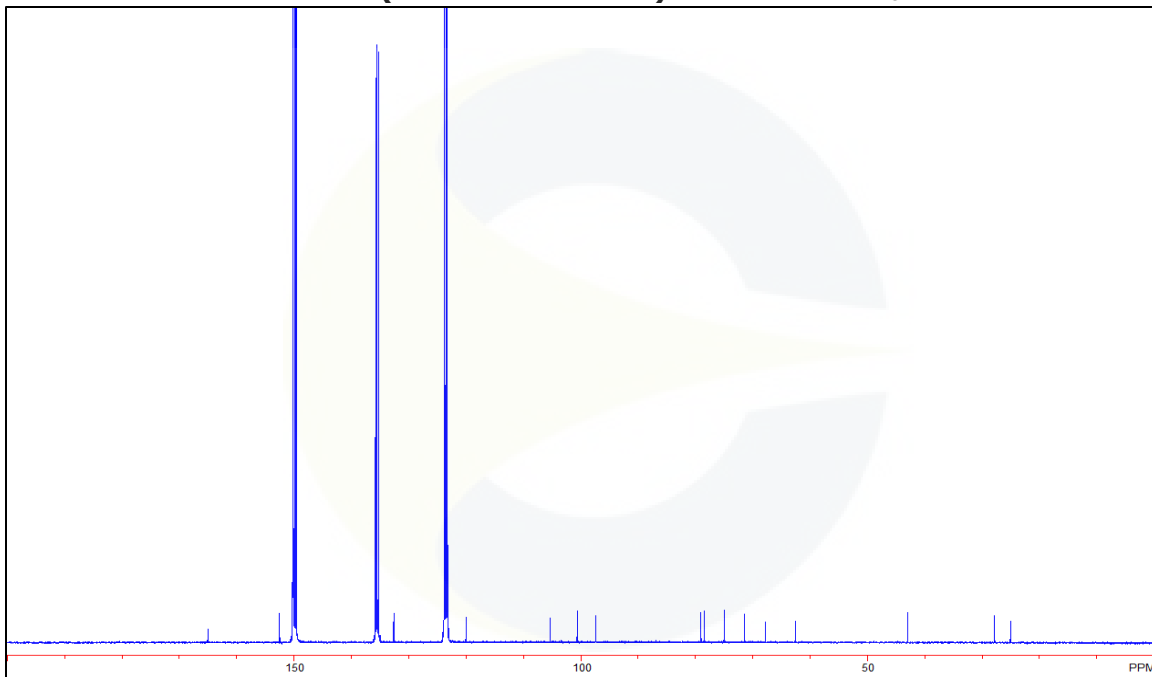
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Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

**MASS SPECTRUM OF SWEROSIDE (CDXA-16-011635)**

**<sup>1</sup>H-NMR SPECTRUM OF SWEROSIDE (CDXA-16-011635) IN PYRIDINE-d<sub>5</sub>**


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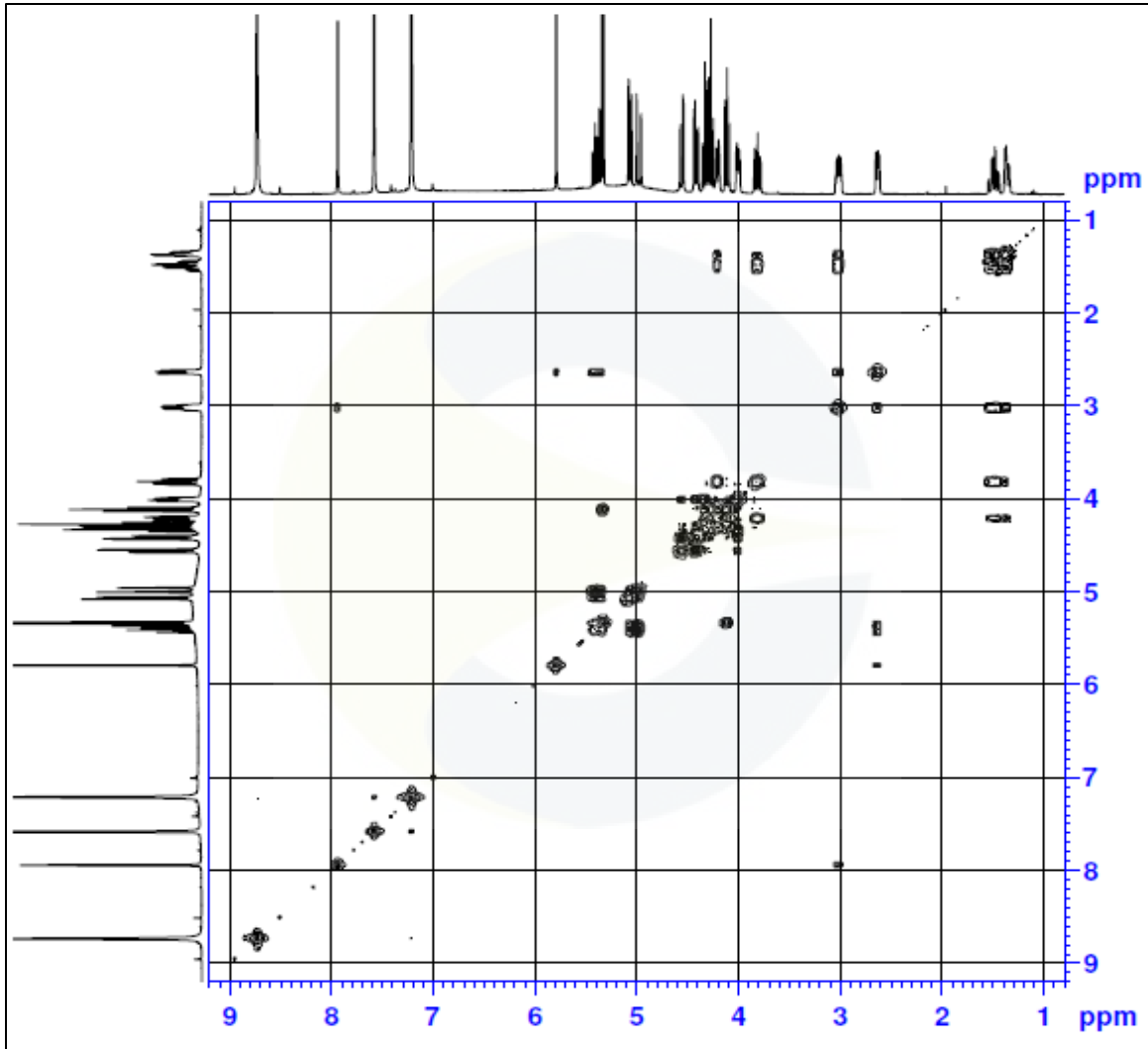
**<sup>13</sup>C-NMR SPECTRUM OF SWEROSIDE (CDXA-16-011635) IN PYRIDINE-d<sub>5</sub>**



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**COSY-NMR SPECTRUM OF SWEROSIDE (CDXA-16-011635) IN PYRIDINE-*d*<sub>5</sub>**

**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	10/14/2016	New report
01	03/26/2021	Material passed reevaluation by HPLC and KF. Updated analytical results, analytical conditions, and expiration date. Added RTECS, EINECS, and removed melting point.

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