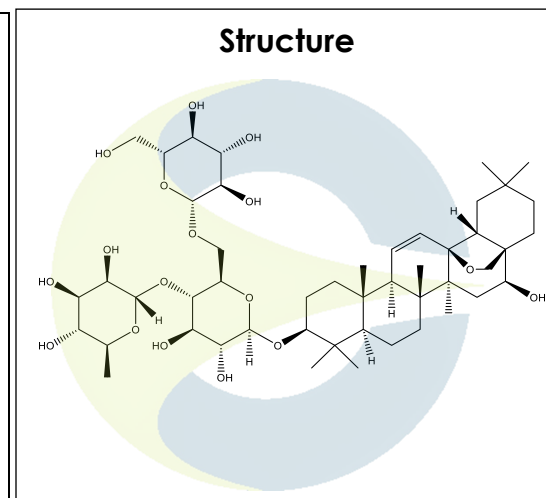


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<b>PRODUCT NAME</b>	Saikosaponin C
<b>PART NUMBER</b>	00019015
<b>STANDARD TYPE</b>	Primary (P)
<b>LOT NUMBER</b>	00019015-413
<b>REPORT NUMBER</b>	CDXA-RSS-5517-02
<b>SAMPLE NUMBER</b>	CDXA-13-2573
<b>DATE OF SAMPLE</b>	04/16/2013
<b>DATE OF RE-EVALUATION</b>	10/23/2018 (1 <sup>st</sup> ); 09/09/2022 (2 <sup>nd</sup> )
<b>DATE OF REPORT</b>	10/07/2022



<b>CHEMICAL NAMES</b>	(3 $\beta$ ,16 $\beta$ )-13,28-Epoxy-16-hydroxyolean-11-en-3-yl O-6-deoxy- $\alpha$ -L-mannopyranosyl-(1 $\rightarrow$ 4)-O-[ $\beta$ -D-glucopyranosyl-(1 $\rightarrow$ 6)]- $\beta$ -D-glucopyranoside
<b>CHEMICAL FORMULA</b>	C <sub>48</sub> H <sub>78</sub> O <sub>17</sub>
<b>MOLECULAR WEIGHT (MW)</b>	927.12
<b>CHEMICAL FAMILY</b>	Saponins
<b>CAS NUMBER</b>	[20736-08-7]
<b>EC#(EINECS)</b>	633-797-4
<b>RTECS</b>	LZ5776544

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	NA	84.7%
HPLC	0.700.10.2.METH22	≥ 90%	98.5%
NMR	99.1-CD-1.0-000122	Conforms to structure	Conforms to structure
Mass Spectrum	Direct Infusion, ESI (+)	Conforms	Conforms
Residual Solvent*	99.1-CD-6.0-000115	NA	MeOH – 0.1%; EtOH – 3.1%
Water	0.700.12.37	NA	10.8%
Appearance	NA	NA	White powder

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

ADJUSTED PURITY: 84.7% IS BASED ON (100 - 3.2 SOLVENTS - 10.8 WATER) X 98.5% HPLC

**STORAGE CONDITIONS**

<b>STORAGE</b>	+4 °C in a dry place.
<b>EXPIRATION DATE</b>	09/2027 under the above conditions.

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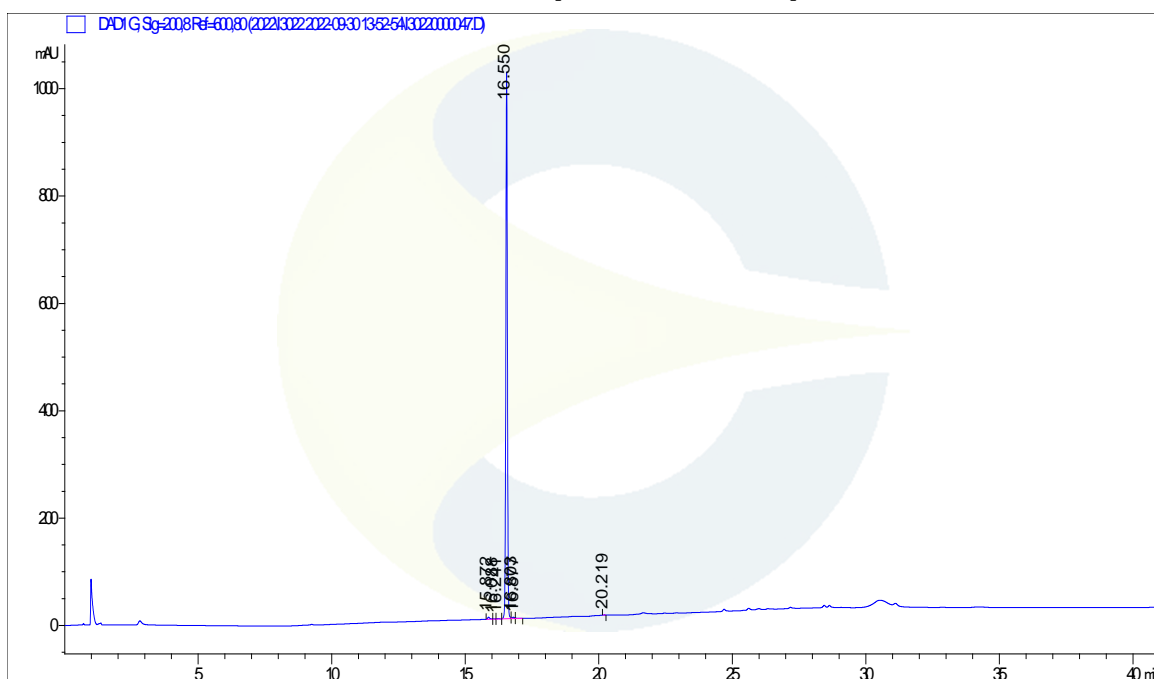
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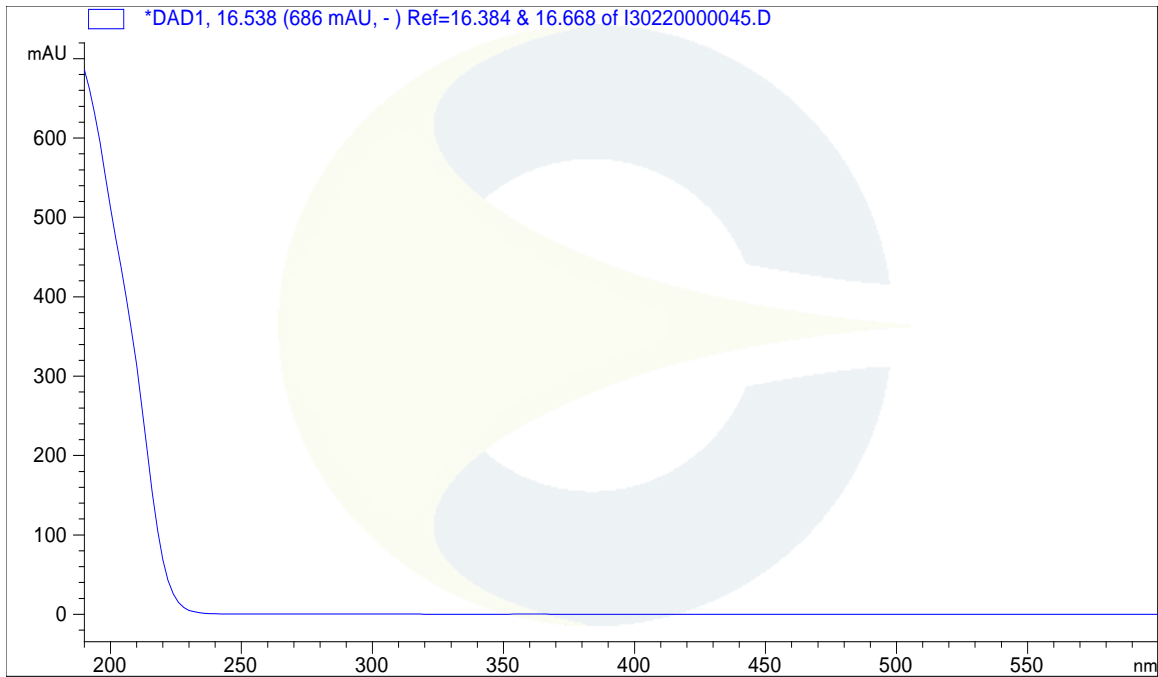
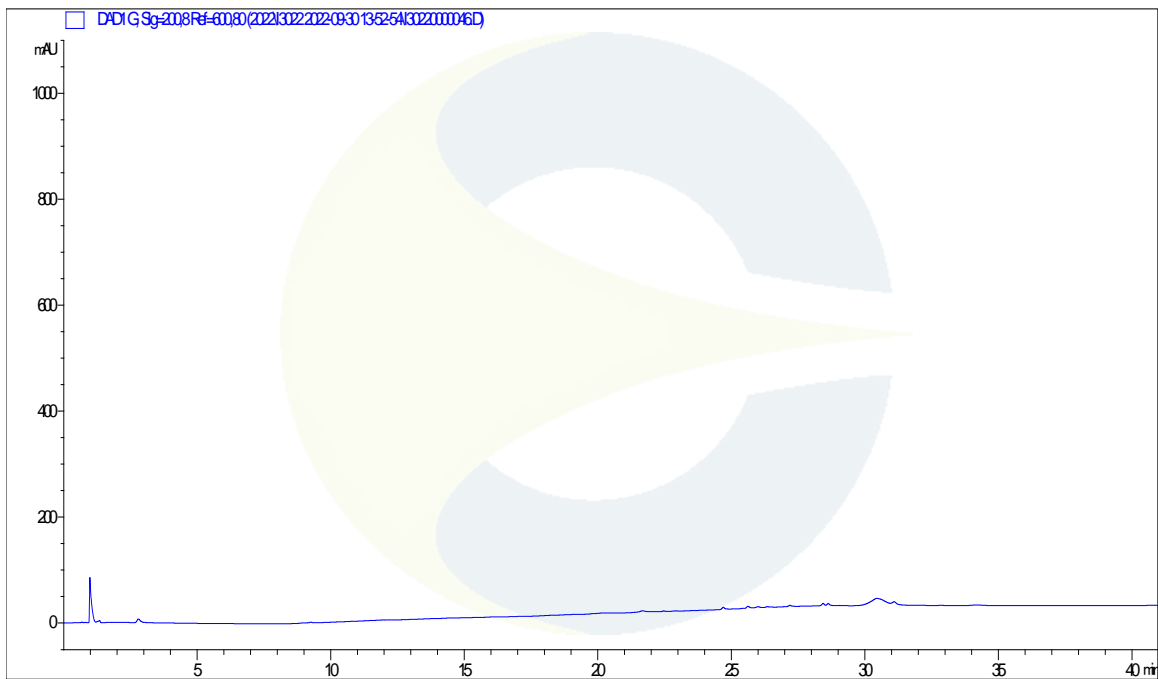
### ANALYTICAL CONDITIONS

<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 - 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>	4.0 µL
<b>INJECTION CONC.</b>	1.0 mg/mL in Methanol
<b>DETECTION</b>	200 ± 4 nm

### HPLC CHROMATOGRAM OF SAIKOSAPONIN C (CDXA-13-2573)



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**UV SPECTRUM AT RT = 16.5 MINUTES**

**HPLC CHROMATOGRAM OF DILUENT BLANK**


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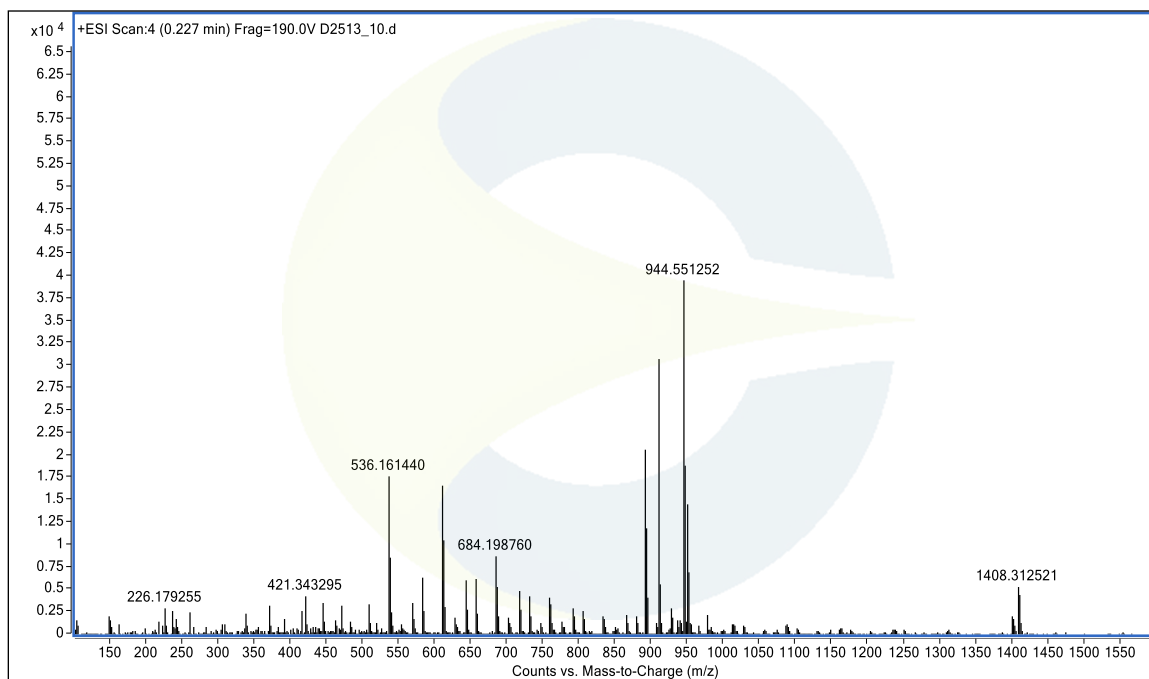
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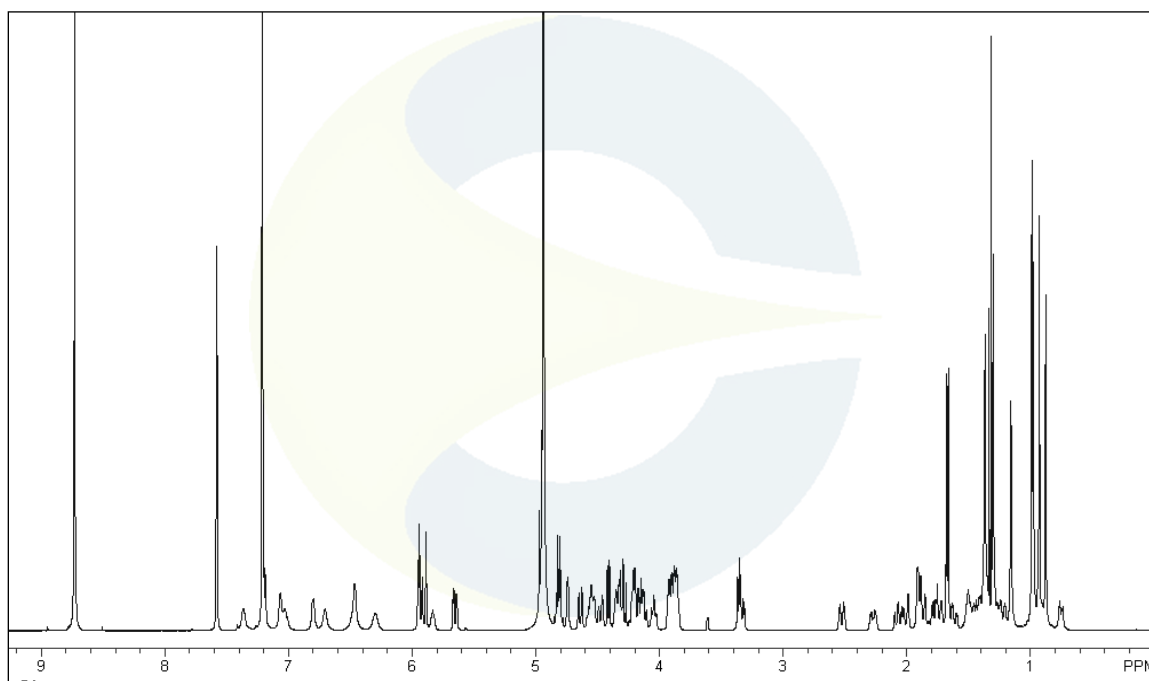
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**MASS SPECTRUM OF SAIKOSAPONIN C (CDXA-13-2573)**



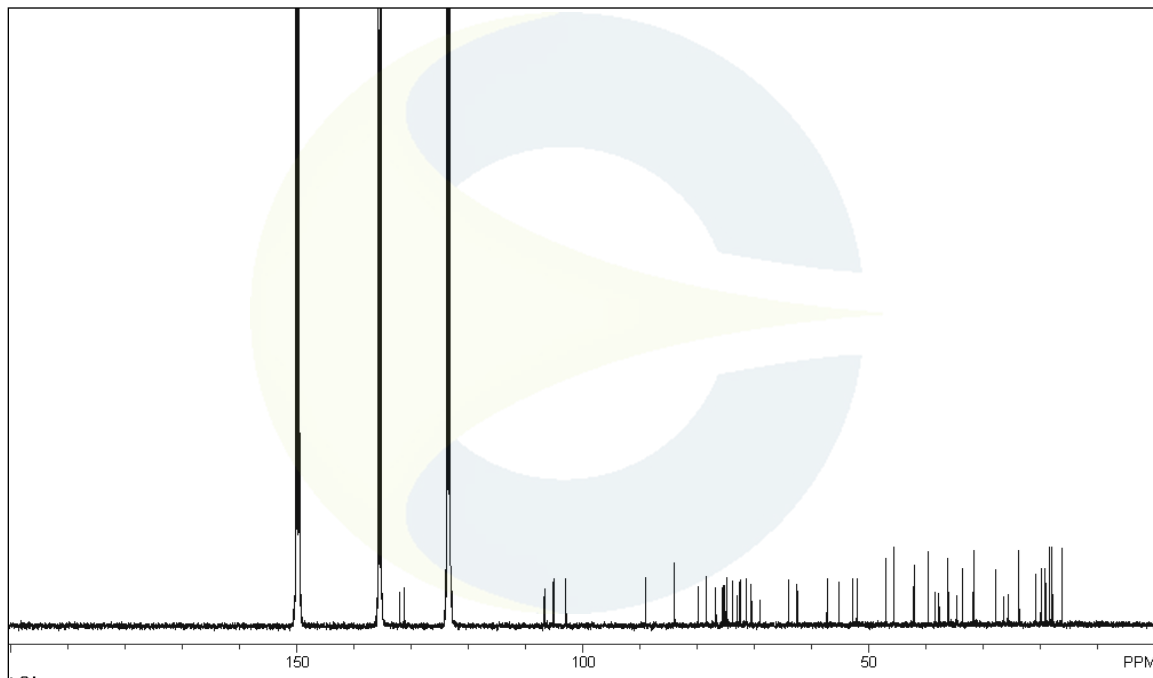
**<sup>1</sup>H-NMR SPECTRUM OF SAIKOSAPONIN C (CDXA-13-2573) IN PYRIDINE-d<sub>5</sub>**



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

**<sup>13</sup>C-NMR SPECTRUM OF SAIKOSAPONIN C (CDXA-13-2573) IN PYRIDINE-d<sub>5</sub>**

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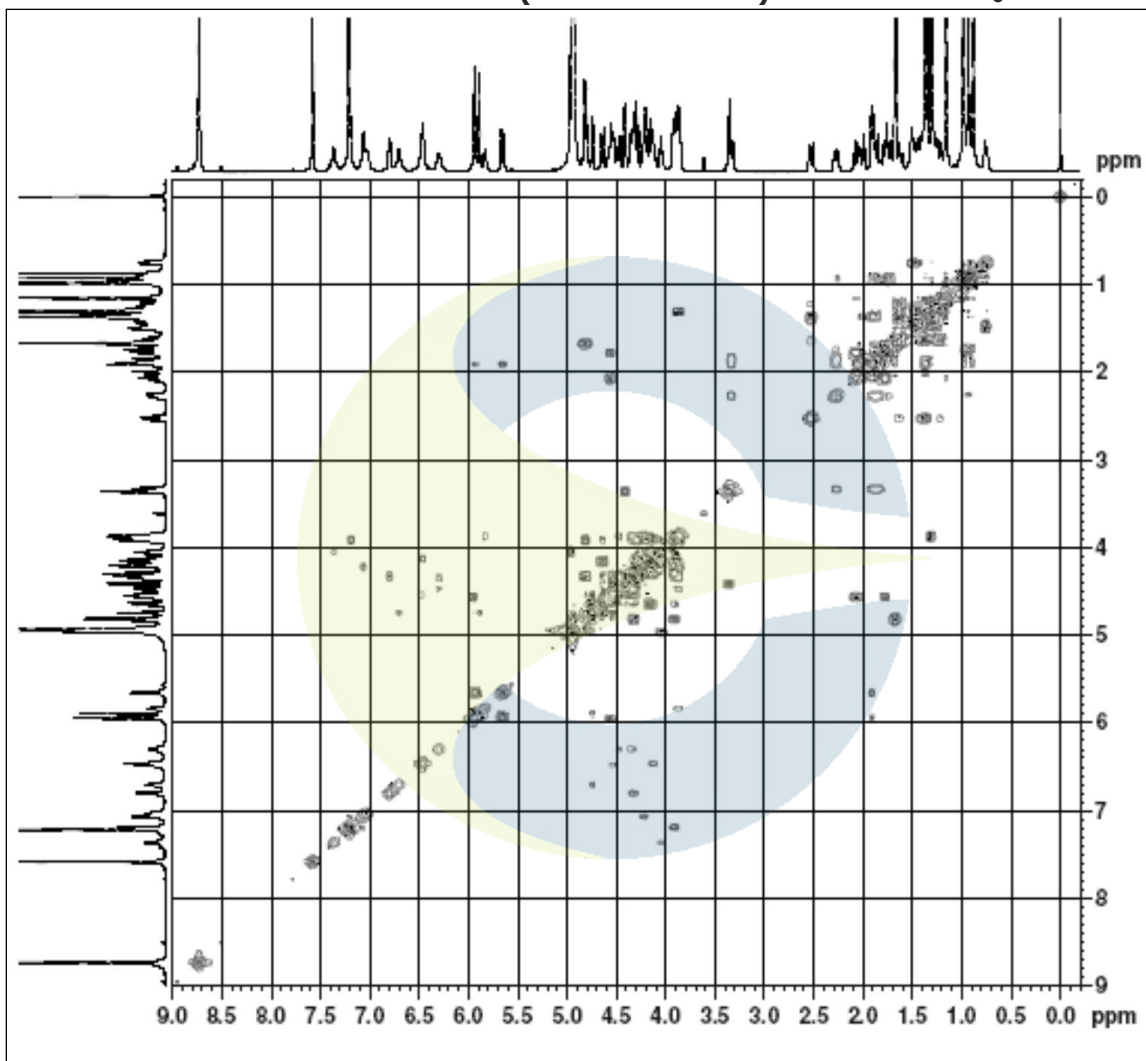
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**COSY-NMR SPECTRUM OF SAIKOSAPONIN C (CDXA-13-2573) IN PYRIDINE-*d*<sub>5</sub>**

**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
01	04/26/2013	New report
02	11/19/2018	Material passed reevaluation by HPLC and KF. Updated analytical conditions, analytical results, chromatograms, structure, and expiration date. Added RTECS. Removed melting point.
03	10/07/2022	Material passed second reevaluation by HPLC and KF. Updated analytical conditions, analytical results, chromatograms, and expiration date. Added EC number.

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