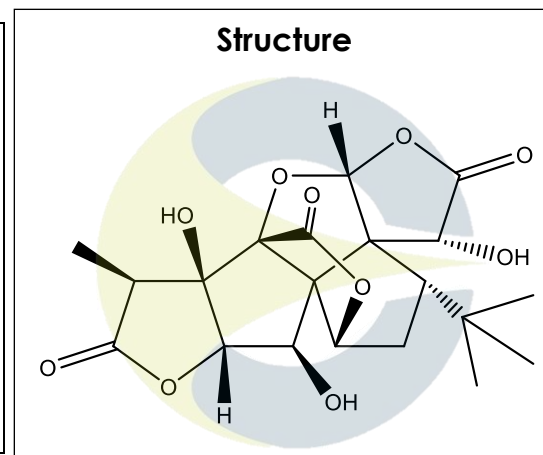


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PRODUCT NAME	Ginkgolide B
PART NUMBER	00007181
STANDARD TYPE	Primary (P)
LOT NUMBER	00007181-387
REPORT NUMBER	CDXA-RSS-9540-00
SAMPLE NUMBER	CDXP-21-00799
DATE OF SAMPLE	11/03/2021
DATE OF REPORT	11/23/2021



CHEMICAL NAMES	(1R,3S,3aS,4R,6aR,7aR,7bR,8S,10aS,11R,11aR)-3-(1,1-Dimethylethyl)hexahydro-4,7b,11-trihydroxy-8-methyl-9H-1,7a-(epoxymethano)-1H,6aH-cyclopenta[c]furo[2,3-b]furo[3',2':3,4]cyclopenta[1,2-d]furan-5,9,12(4H)-trione
CHEMICAL FORMULA	C ₂₀ H ₂₄ O ₁₀
MOLECULAR WEIGHT (MW)	424.40
CHEMICAL FAMILY	Terpenoids
CAS NUMBER	[15291-77-7]
EC#(EINECS)	604-876-0
RTECS	KC9949000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	93.1%
HPLC	0.700.10.2.METH22	≥ 90%	98.3%
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	5.3%
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 93.1% IS BASED ON (100 - 0.0 SOLVENTS - 5.3 WATER) X 98.3% HPLC

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STORAGE CONDITIONS

STORAGE -20 °C in a dry place.

EXPIRATION DATE 11/2026 under the above conditions.

ANALYTICAL CONDITIONS

INSTRUMENT AGILENT 1260 HPLC UV-VIS (DAD) CONNECTED TO DIONEX CORONA VEO CHARGED AEROSOL DETECTOR (CAD); 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;
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.

COLUMN TEMP. 60 °C

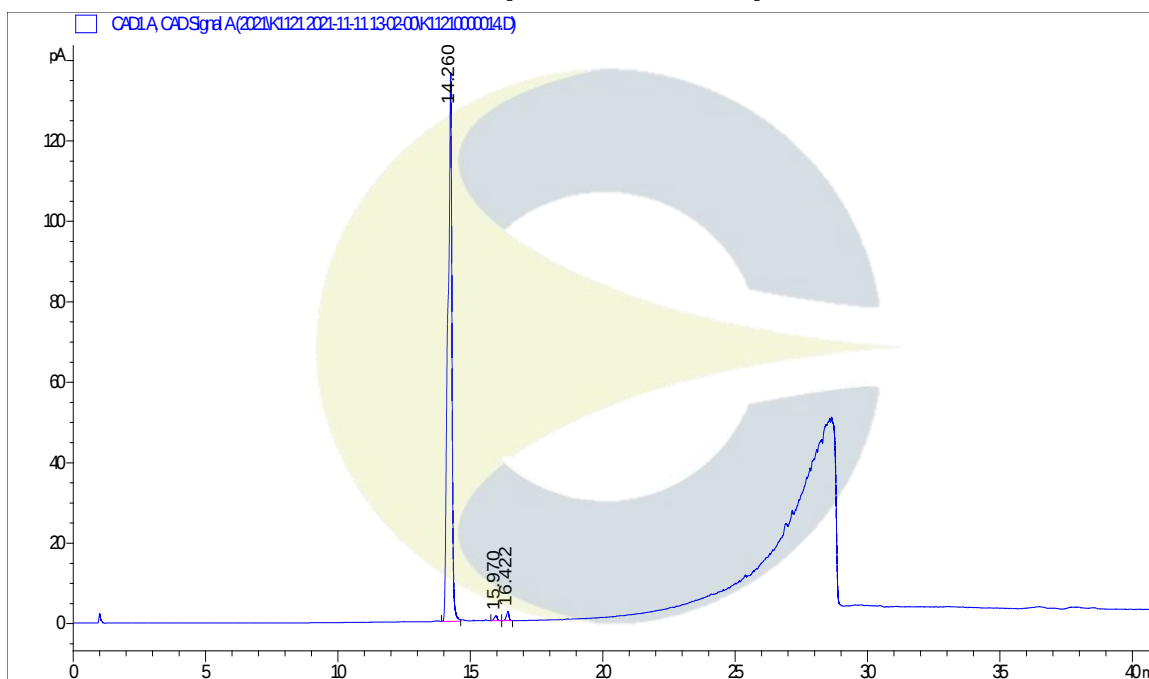
FLOW RATE 0.4 mL/minute

INJECTION VOL. 10 µL

INJECTION CONC. 1.2 mg/mL in Methanol

DETECTION CAD

HPLC CHROMATOGRAM OF GINKGOLIDE B (CDXP-21-00799)

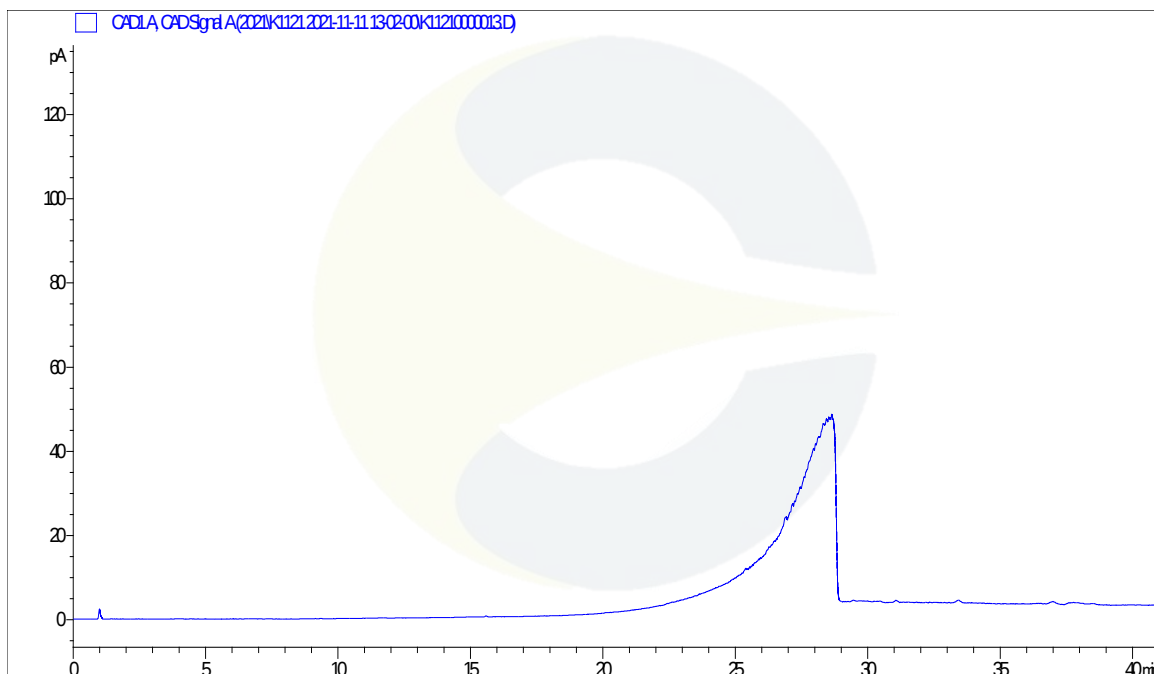


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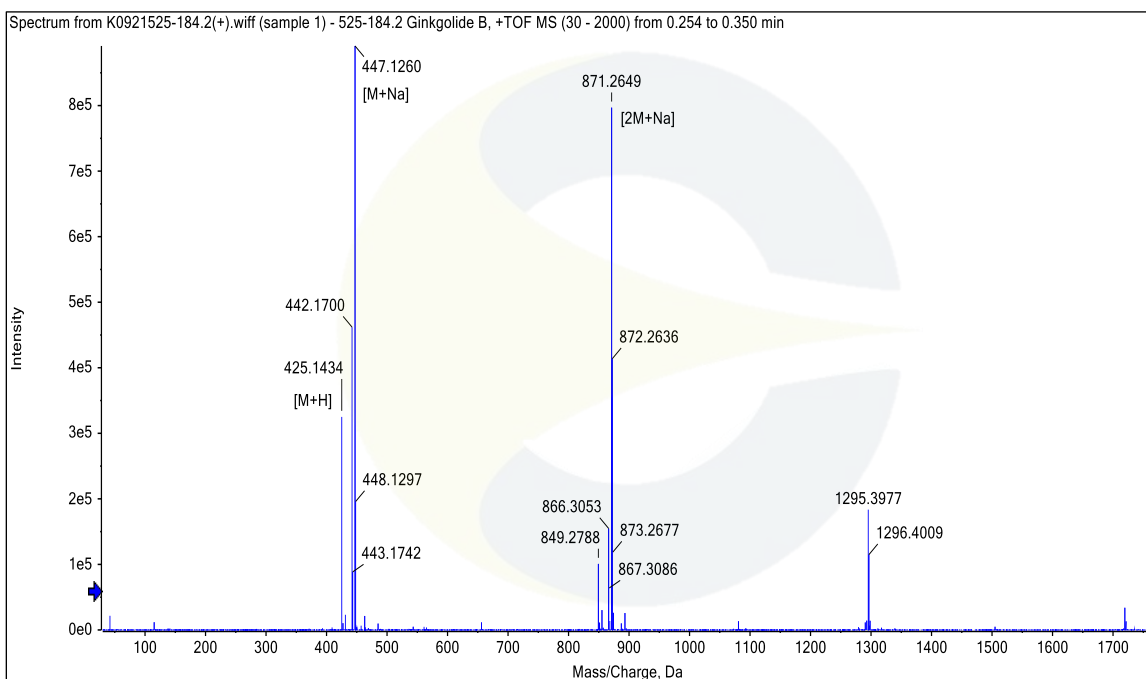
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HPLC CHROMATOGRAM OF DILUENT BLANK



MASS SPECTRUM OF GINKGOLIDE B (CDXP-21-00799)



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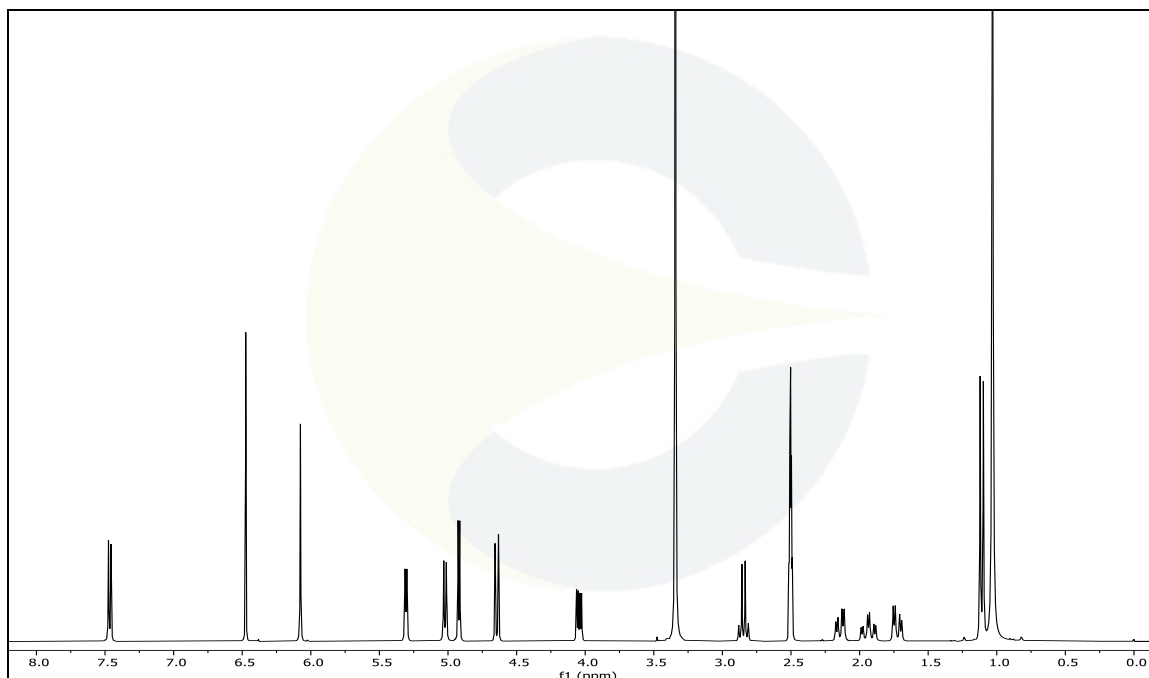
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 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

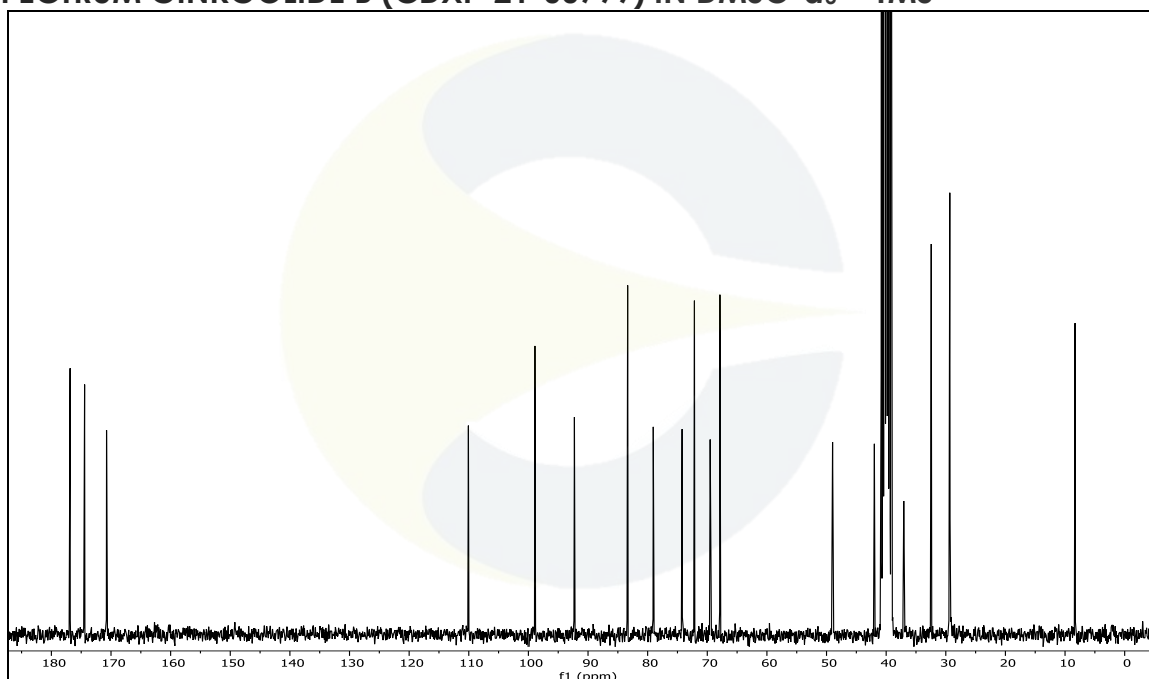
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¹H-NMR SPECTRUM OF GINKGOLIDE B (CDXP-21-00799) IN DMSO-*d*₆ + TMS



¹³C-NMR SPECTRUM GINKGOLIDE B (CDXP-21-00799) IN DMSO-*d*₆ + TMS



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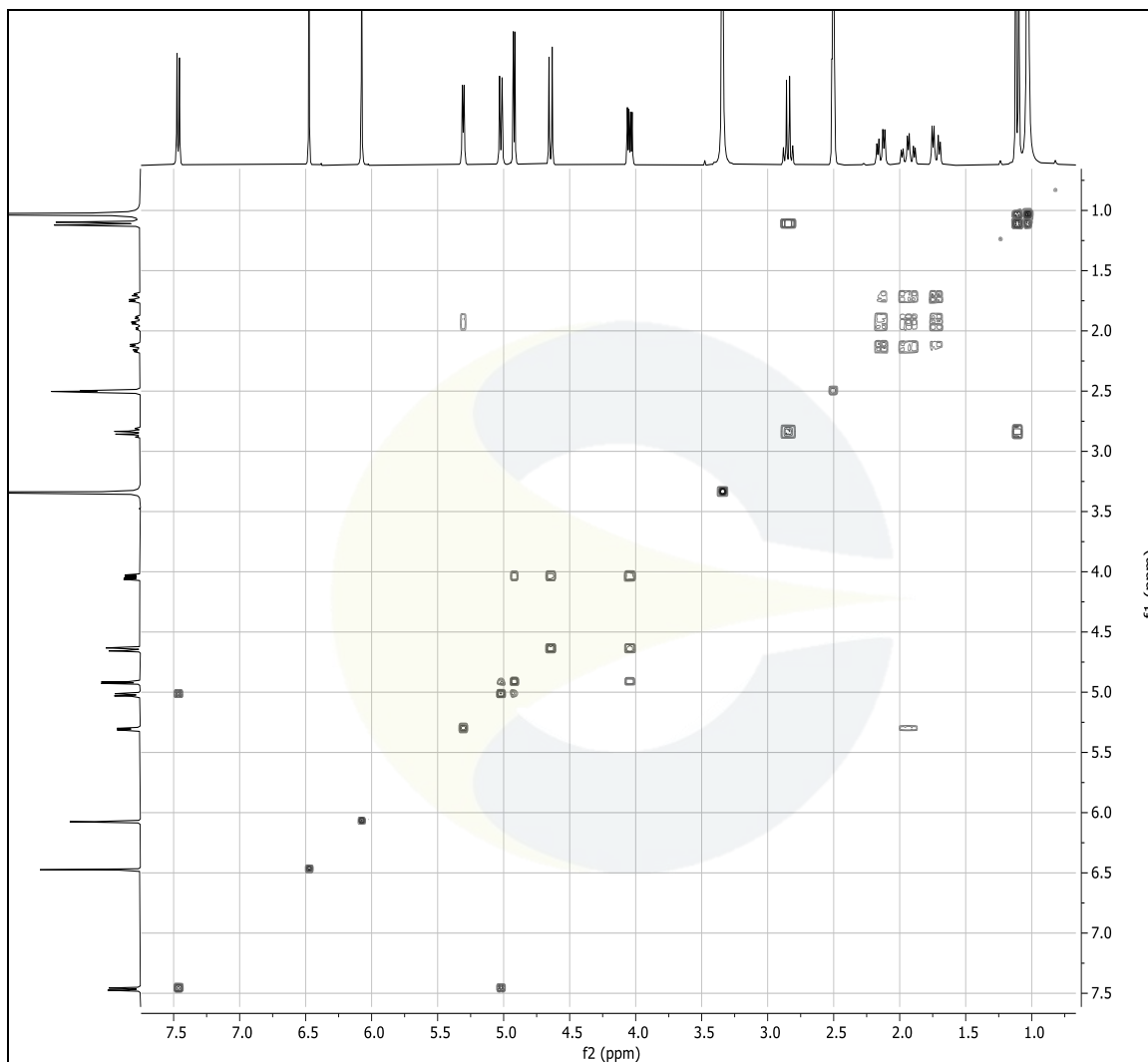
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COSY-NMR SPECTRUM OF GINKGOLIDE B (CDXP-21-00799) IN DMSO-*d*₆ + TMS



REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	11/23/2021	New report

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