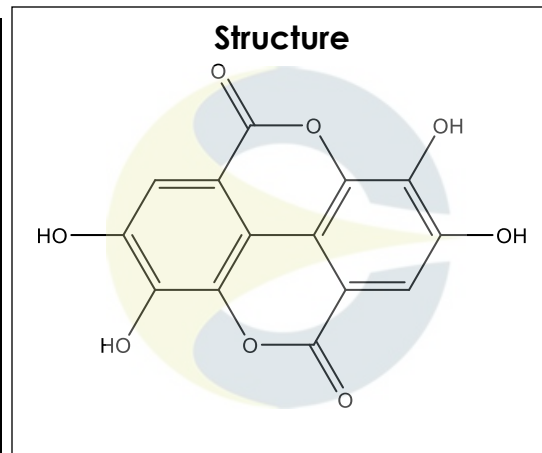


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PRODUCT NAME	Ellagic acid
PART NUMBER	00005071
STANDARD TYPE	Primary (P)
LOT NUMBER	00005071-101
REPORT NUMBER	CDXA-RSS-4703-00
SAMPLE NUMBER	CDXP-21-00178
DATE OF SAMPLE	03/29/2021
DATE OF REPORT	04/21/2021



CHEMICAL NAMES	4,4',5,5',6,6'-Hexahydroxy-[1,1'-biphenyl]-2,2'-dicarboxylic acid di-δ-lactone; 2,3,7,8-tetrahydroxy-[1]Benzopyrano[5,4,3-cde][1]benzopyran-5,10-dione
CHEMICAL FORMULA	C ₁₄ H ₆ O ₈
MOLECULAR WEIGHT (MW)	302.19
CHEMICAL FAMILY	Phenolic acids
CAS NUMBER	[476-66-4]
EC#(EINECS)	207-508-3
RTECS	DJ2620000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	97.2%
HPLC	0.700.10.2.METH22	≥ 90%	99.1%
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	1.9%
Appearance	NA	NA	Gray powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.
 ADJUSTED PURITY: 97.2% IS BASED ON (100 - 0.0 SOLVENTS - 1.9 WATER) X 99.1% HPLC

STORAGE CONDITIONS

STORAGE	Room Temperature in a dry place.
EXPIRATION DATE	03/2026 under the above conditions.



Digitally signed by Elizabeth Hughes
 Date: 2021.04.21 17:02:48 -06'00'

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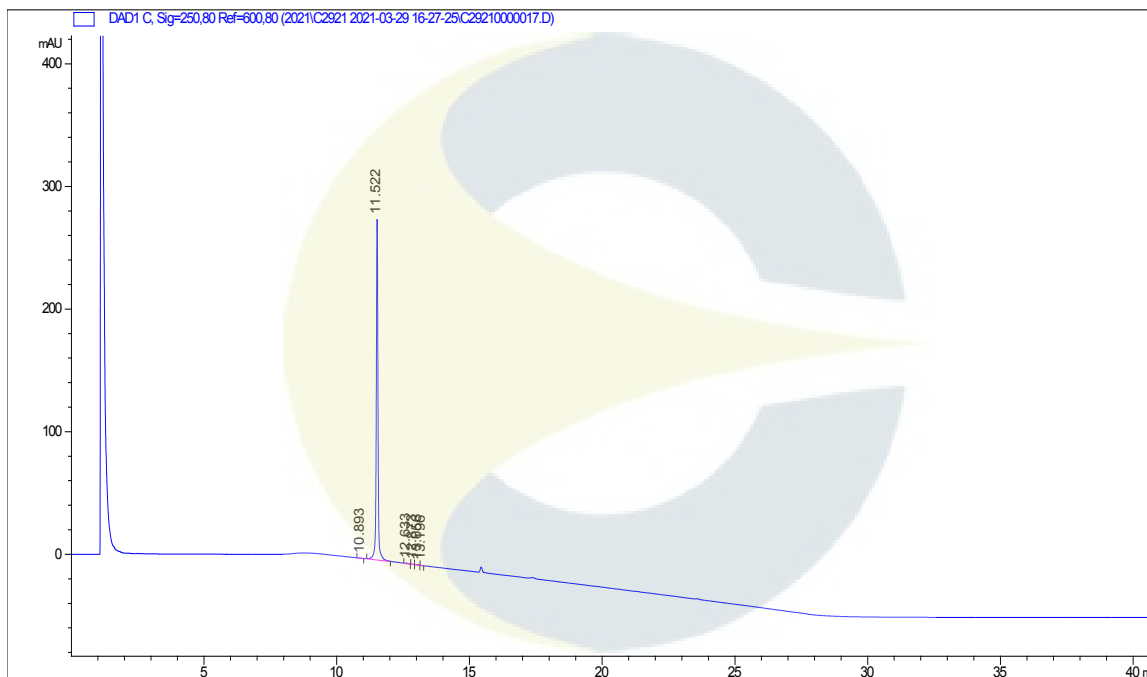
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); 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.	0.1 µL
INJECTION CONC.	1.1 mg/mL in DMSO
DETECTION	250 ± 40 nm

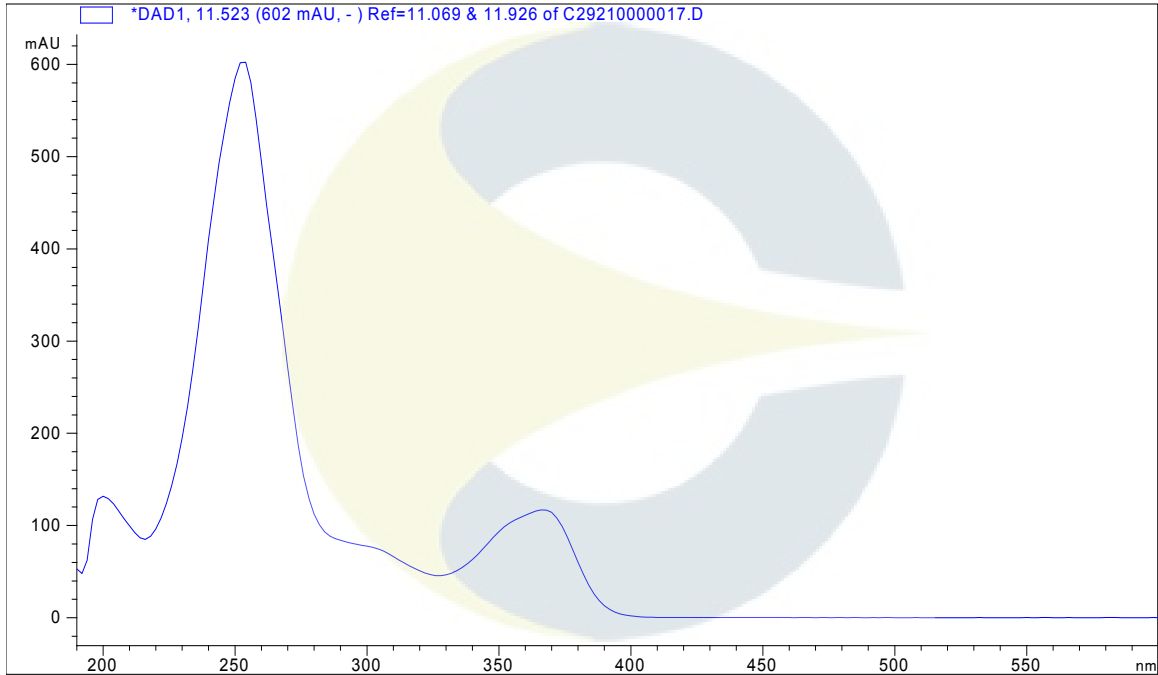
HPLC CHROMATOGRAM OF ELLAGIC ACID (CDXP-21-00178)



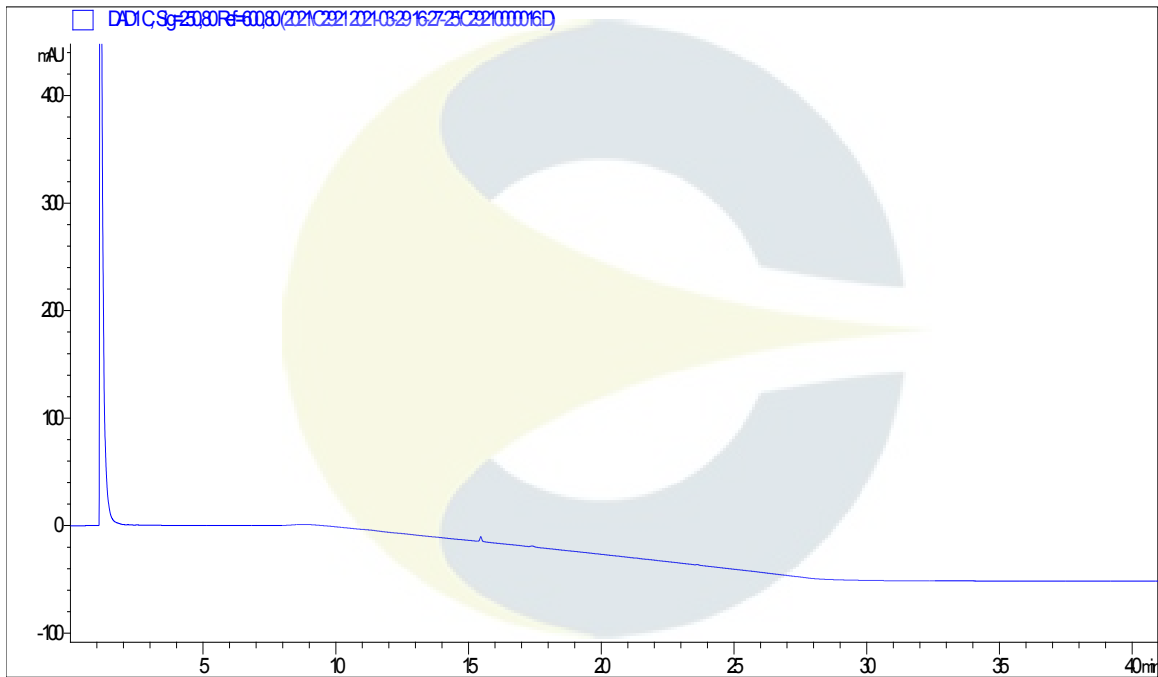
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UV SPECTRUM AT RT = 11.5 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



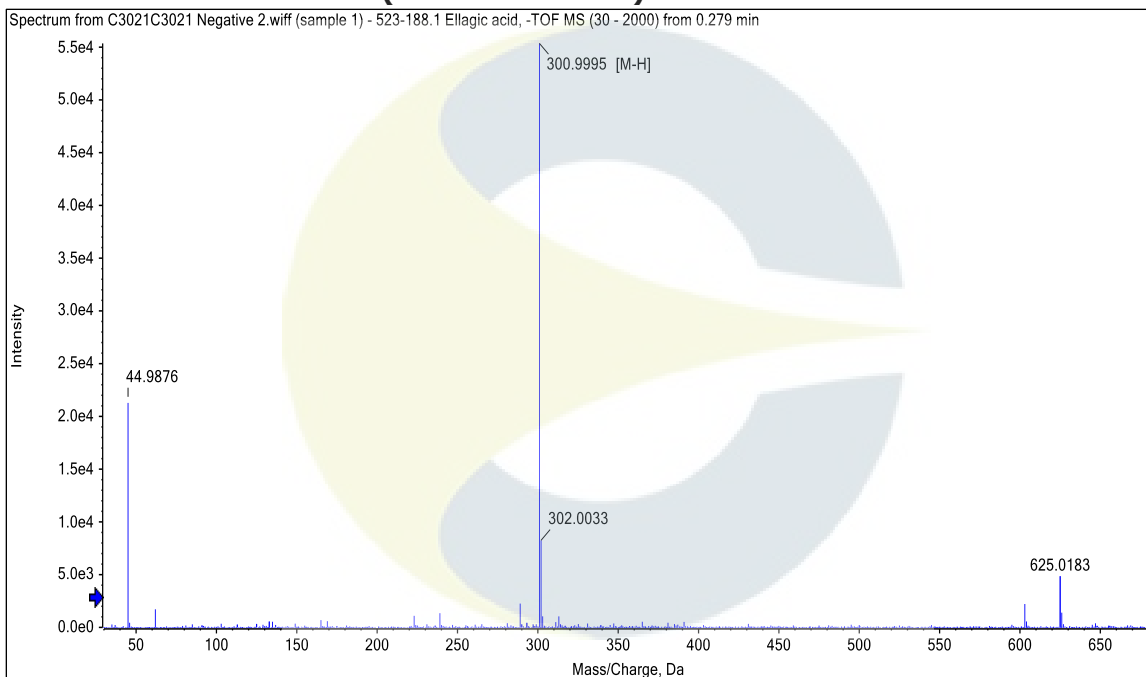
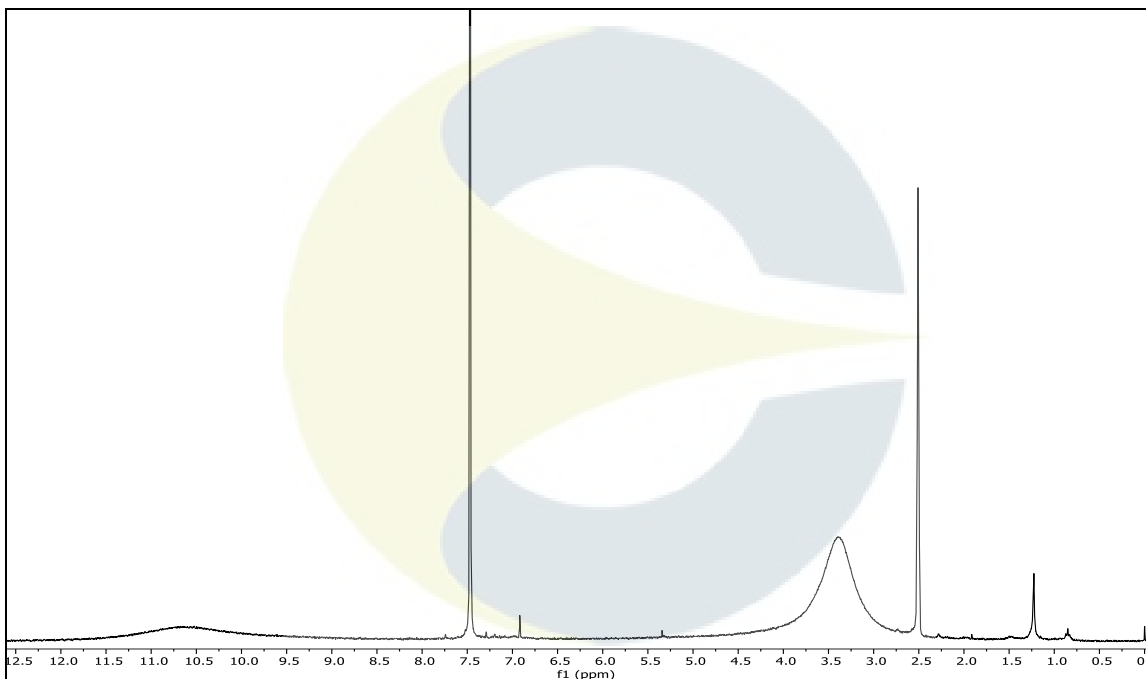
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Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

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MASS SPECTRUM OF ELLAGIC ACID (CDXP-21-00178)

¹H-NMR SPECTRUM OF ELLAGIC ACID (CDXP-21-00178) IN DMSO-d₆ + TMS


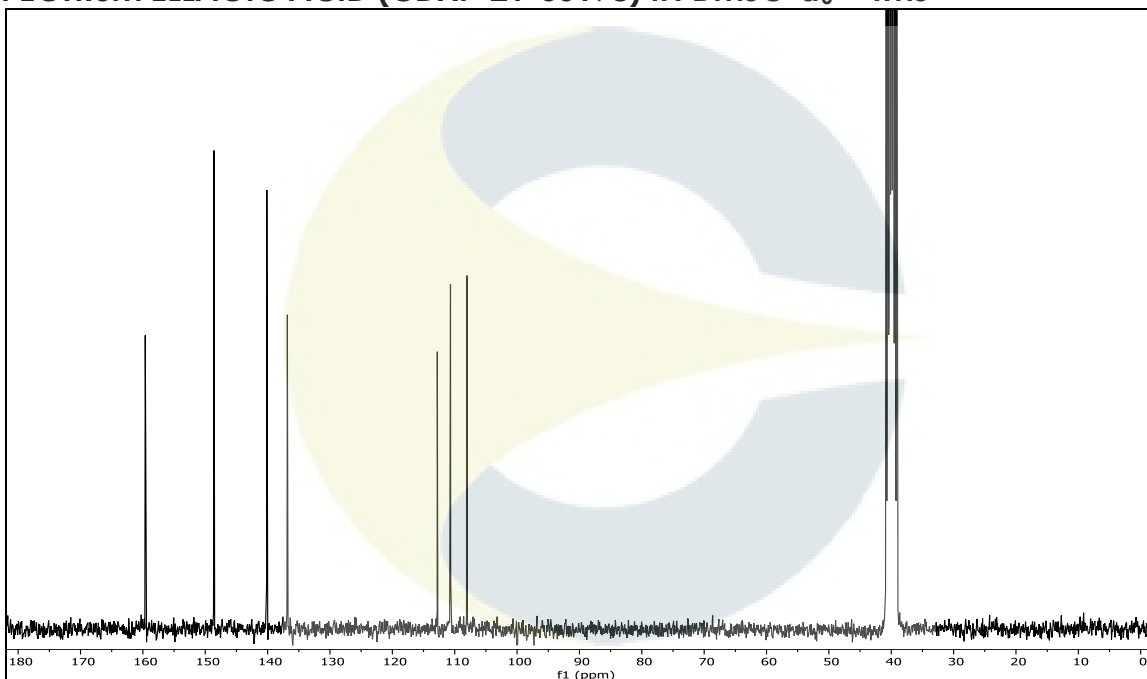
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¹³C-NMR SPECTRUM ELLAGIC ACID (CDXP-21-00178) IN DMSO-d₆ + TMS



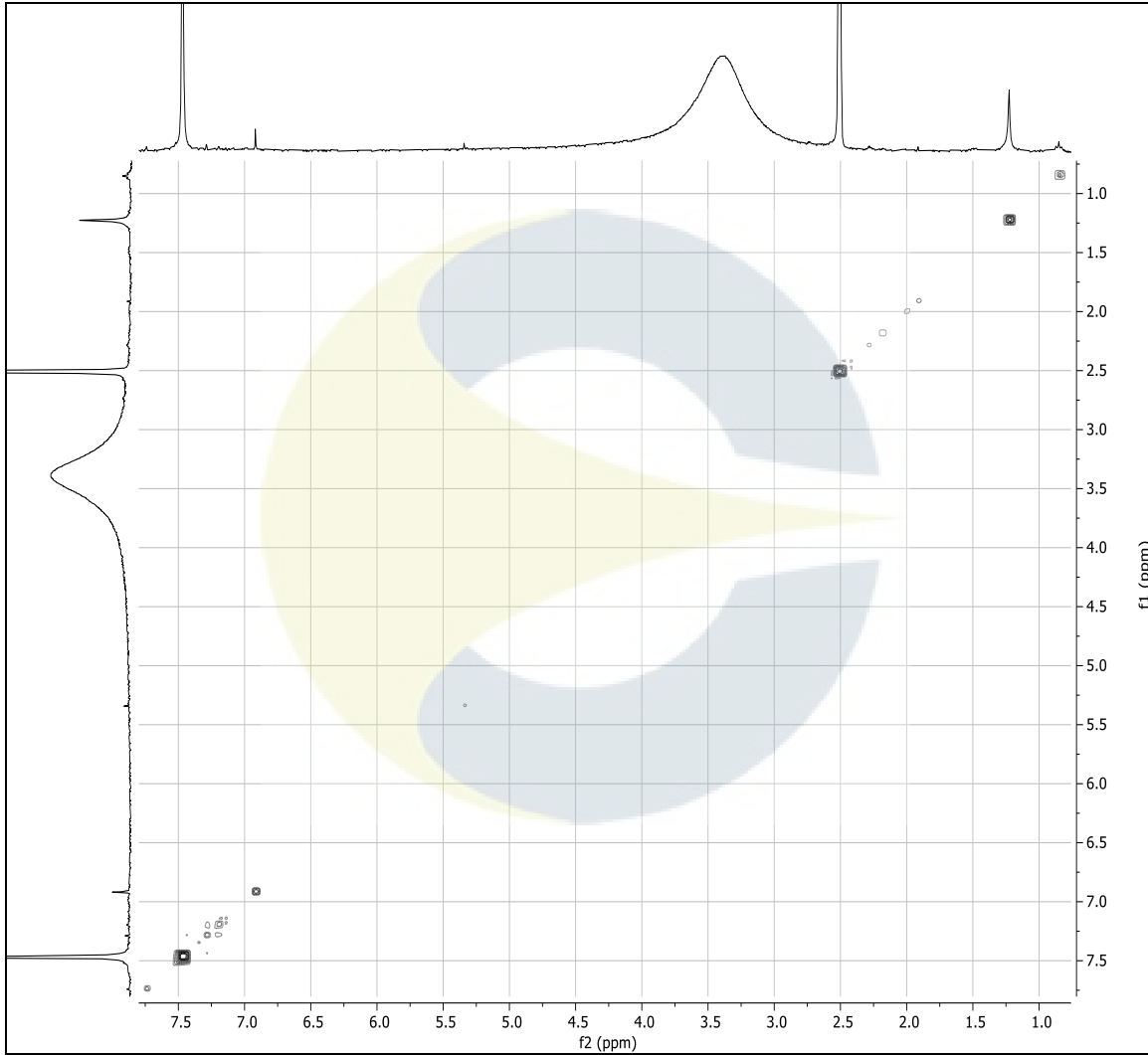
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COSY-NMR SPECTRUM OF ELLAGIC ACID (CDXP-21-00178) IN DMSO-d₆ + TMS



REVISION HISTORY

Revision History	Date of Revision	Document/Changes
00	04/21/2021	New report

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