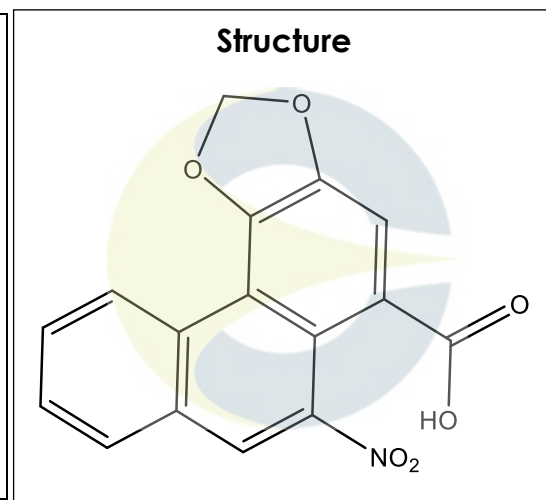


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PRODUCT NAME	Aristolochic acid B
PART NUMBER	00011012
STANDARD TYPE	Primary (P)
LOT NUMBER	00011012-826
REPORT NUMBER	CDXA-RSS-6871-01
SAMPLE NUMBER	CDXA-15-008191
DATE OF SAMPLE	10/12/2015
DATE OF RE-EVALUATION	04/21/2020
DATE OF REPORT	05/22/2020



CHEMICAL NAMES	6-Nitro-phenanthro[3,4-d]-1,3-dioxole-5-carboxylic acid; Aristolochic acid II
CHEMICAL FORMULA	C ₁₆ H ₉ NO ₆
MOLECULAR WEIGHT (MW)	311.25
CHEMICAL FAMILY	Alkaloids
CAS NUMBER	[475-80-9]
EC#(EINECS)	207-499-6
RTECS	SF8281600

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	NA	98.1%
HPLC	0.700.10.2.METH22	NA	98.1%
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-8.0-000115	NA	ND
Water	0.700.12.37	NA	ND
Appearance	NA	NA	Yellow powder

ADJUSTED PURITY: 98.1% IS BASED ON (100 - 0.0 SOLVENTS - 0.0 WATER) X 98.1% HPLC

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	04/2025 under the above conditions.

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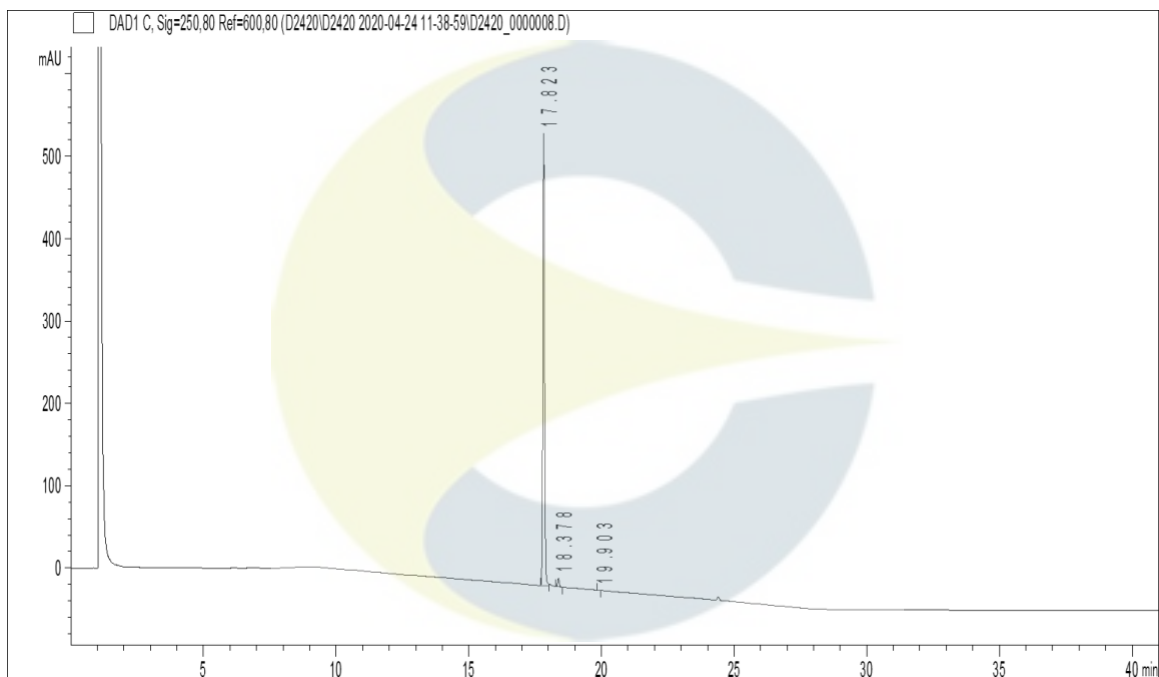
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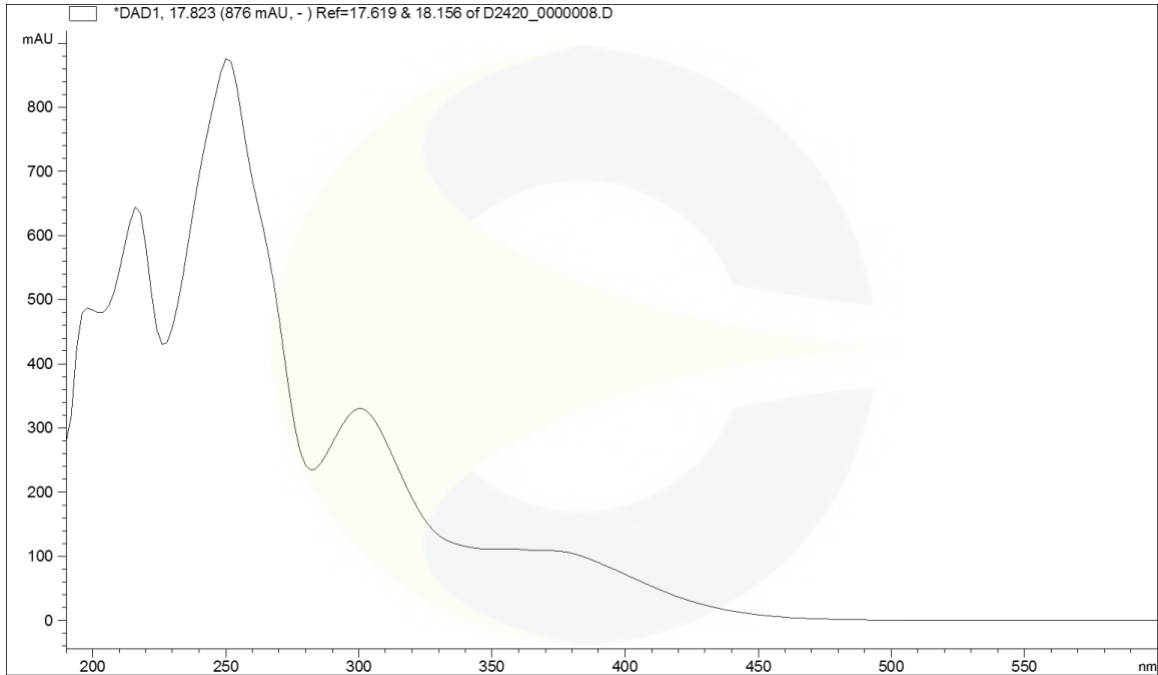
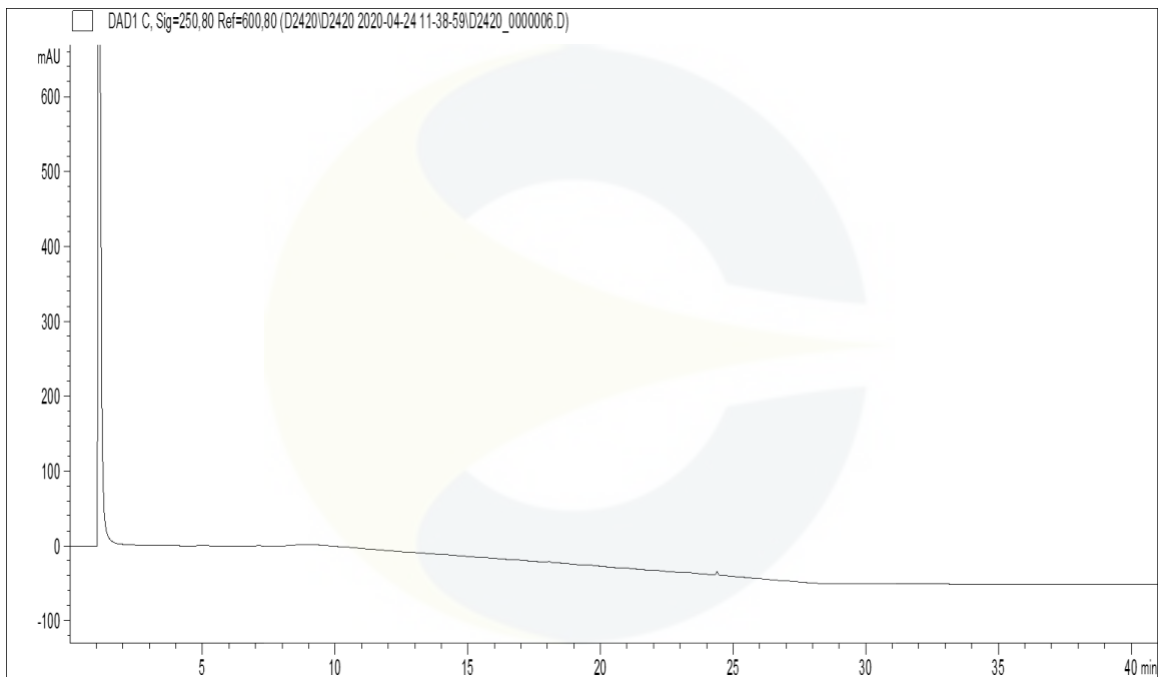
ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AGILENT 6510 QTOF
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.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	0.2 µL
INJECTION CONC.	1.1 mg/mL in Dimethyl Sulfoxide
DETECTION	250 ± 40 nm

HPLC CHROMATOGRAM OF ARISTOLOCHIC ACID B (CDXA-15-008191)



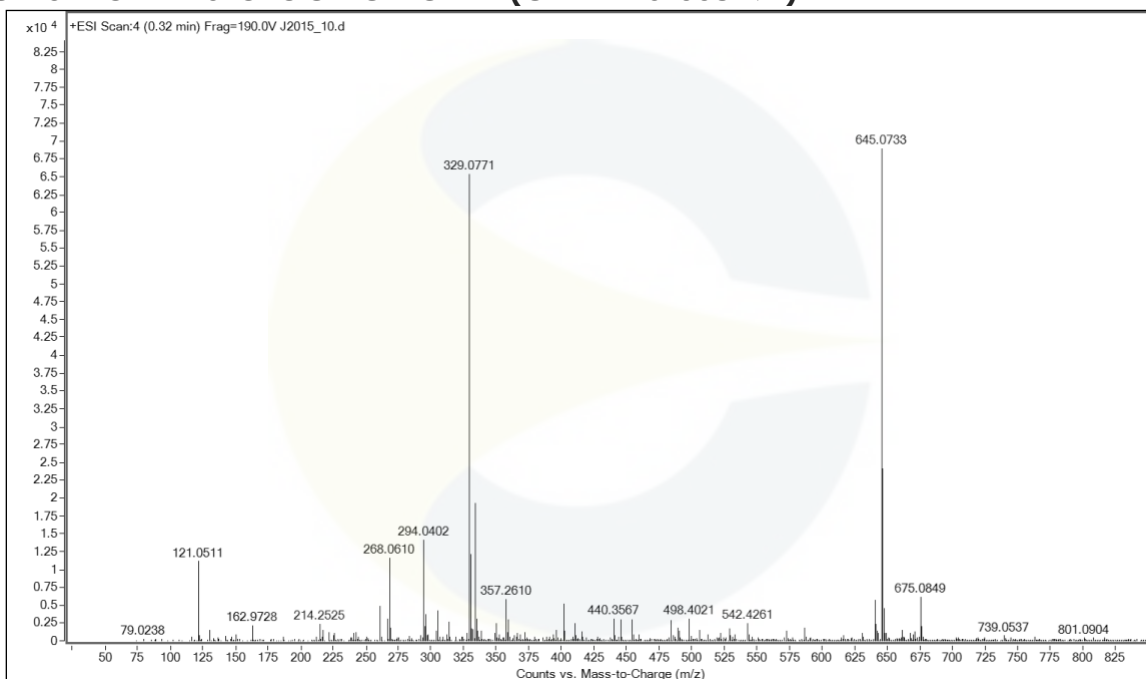
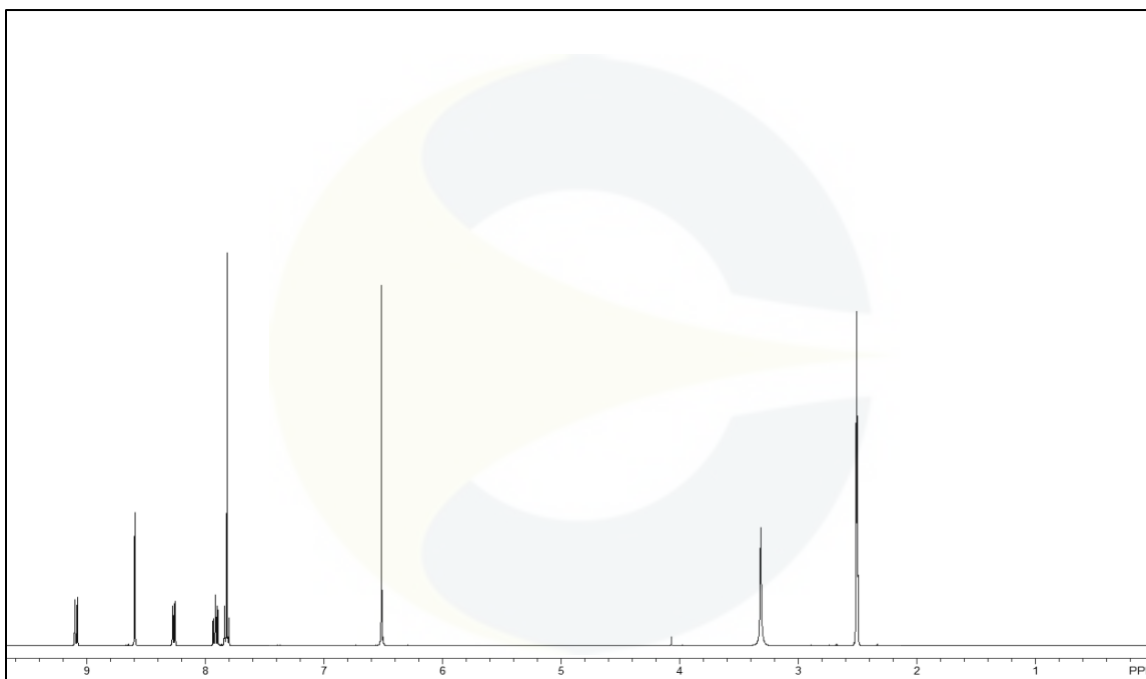
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UV SPECTRUM AT RT 17.8 MINUTES

HPLC CHROMATOGRAM OF DILUENT BLANK


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

MASS SPECTRUM OF ARISTOLOCHIC ACID B (CDXA-15-008191)

¹H-NMR SPECTRUM OF ARISTOLOCHIC ACID B (CDXA-15-008191) IN DMSO-d₆


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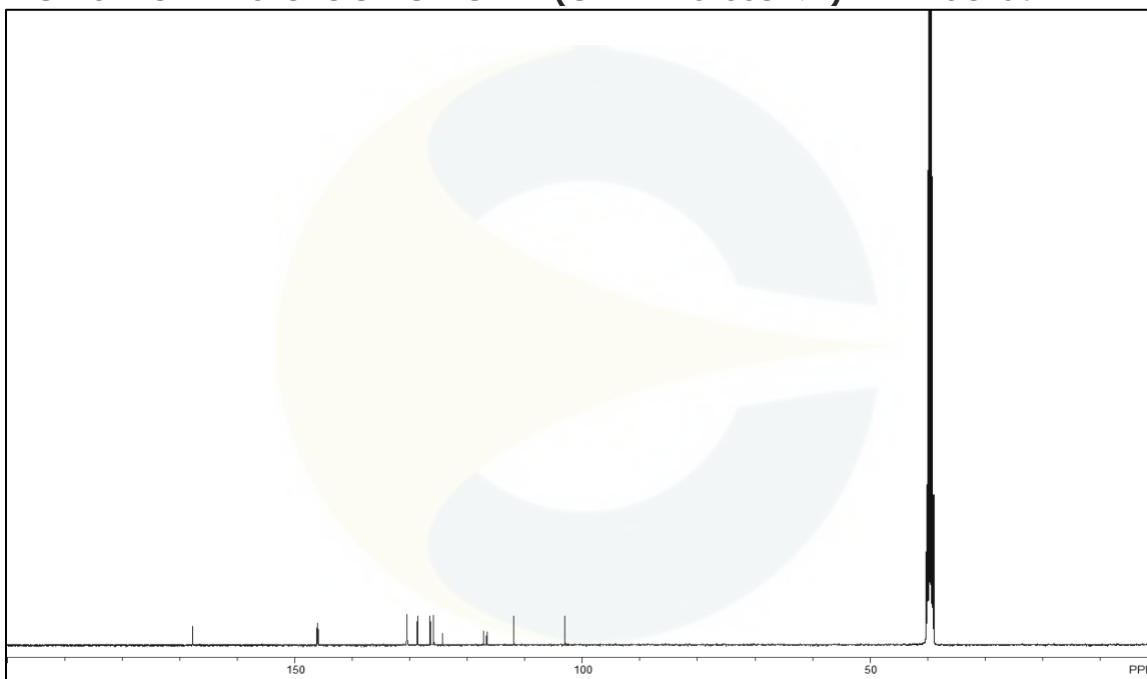
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¹³C-NMR SPECTRUM OF ARISTOLOCHIC ACID B (CDXA-15-008191) IN DMSO-d₆

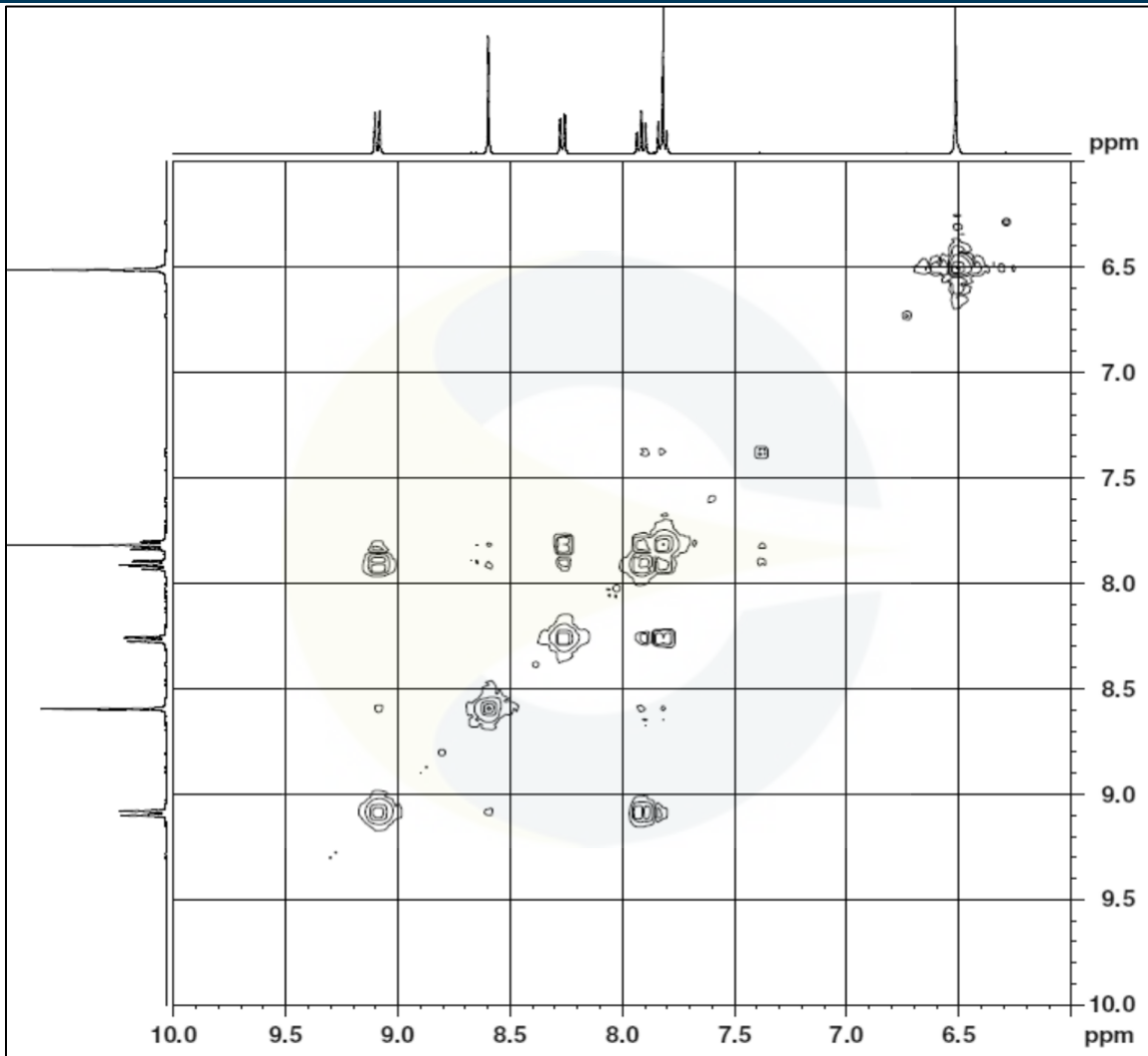


COSY-NMR SPECTRUM OF ARISTOLOCHIC ACID B (CDXA-15-008191) IN DMSO-d₆

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REVISION HISTORY

Revision History	Date of Revision	Document/Changes
00	11/18/2015	New report.
01	05/22/2020	Passed re-evaluation by HPLC and KF. Updated purity, chromatograms, analytical conditions, expiration date, and removed melting point.

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