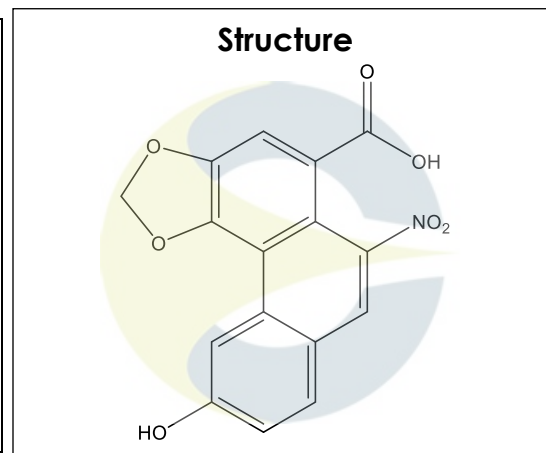


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PRODUCT NAME	Aristolochic acid C
PART NUMBER	00001716
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00001716-261
REPORT NUMBER	CDXA-RSS-9594-00
SAMPLE NUMBER	CDXP-21-00885
DATE OF SAMPLE	12/09/2021
DATE OF REPORT	12/20/2021



CHEMICAL NAMES	10-Hydroxy-6-nitrophenanthro[3,4-d]-1,3-dioxole-5-carboxylic acid; Aristolochic acid IIIa
CHEMICAL FORMULA	C ₁₆ H ₉ NO ₇
MOLECULAR WEIGHT (MW)	327.25
CHEMICAL FAMILY	Nitrophenanthrenes
CAS NUMBER	[4849-90-5]
EC#(EINECS)	683-126-4
RTECS	NA

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH22	≥ 75%	96.2%
Mass Spectrum	0.700.12.27	Conforms	Conforms
Appearance	NA	NA	Orange powder

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	12/2026 under the above conditions.

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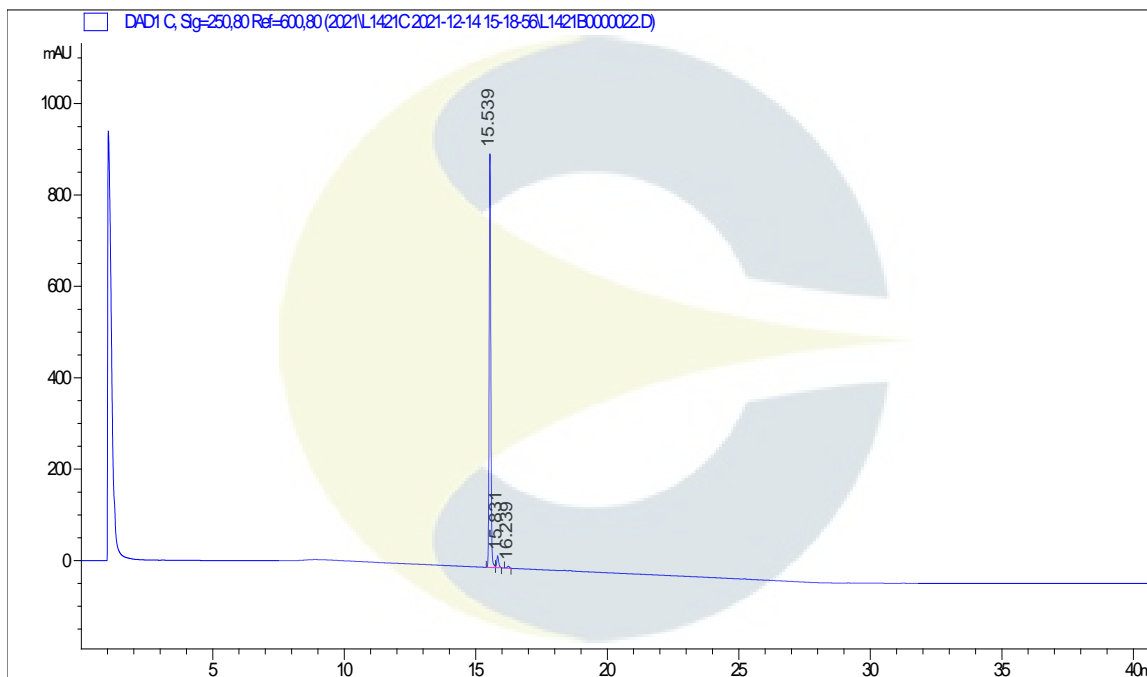
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ANALYTICAL CONDITIONS

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 for 1 minute.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	0.4 µL
INJECTION CONC.	1.0 mg/mL in DMSO
DETECTION	250 ± 40 nm

HPLC CHROMATOGRAM OF ARISTOLOCHIC ACID C (CDXP-21-00885)

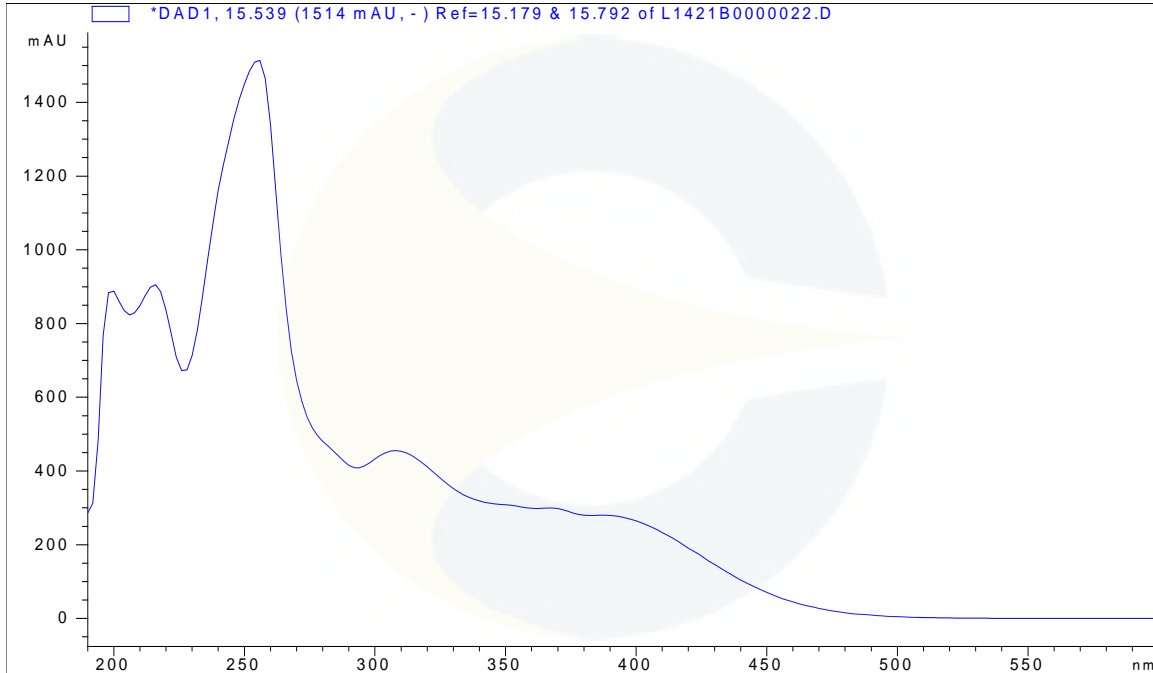


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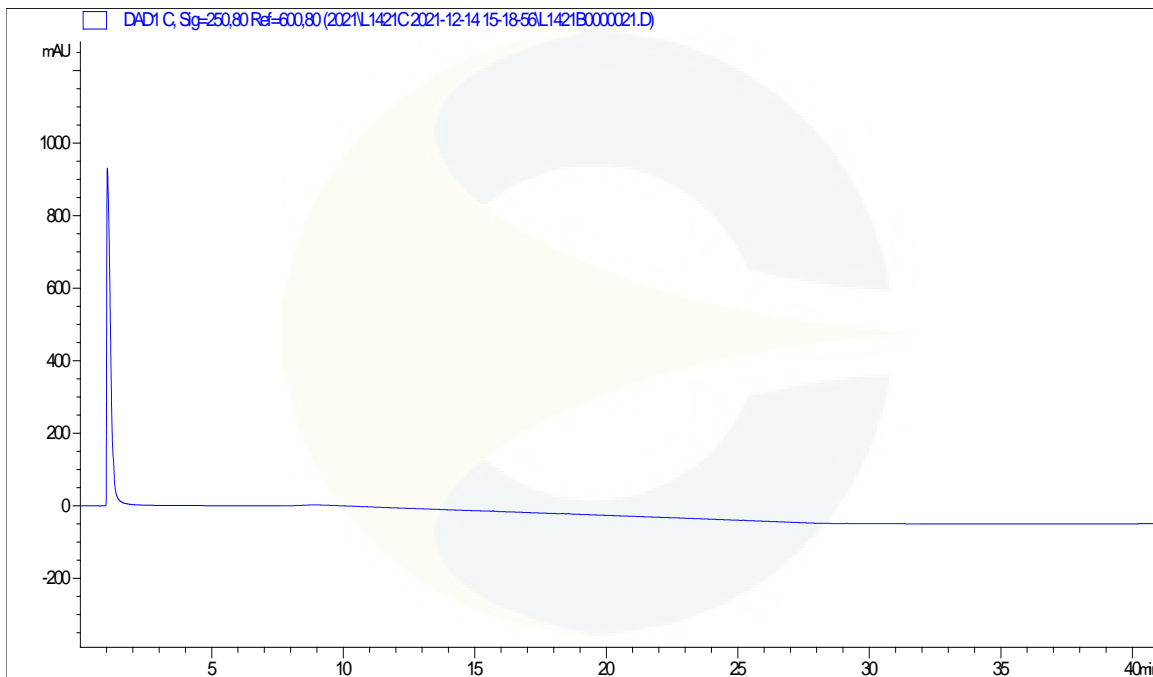
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UV SPECTRUM AT RT = 15.5 MINUTES



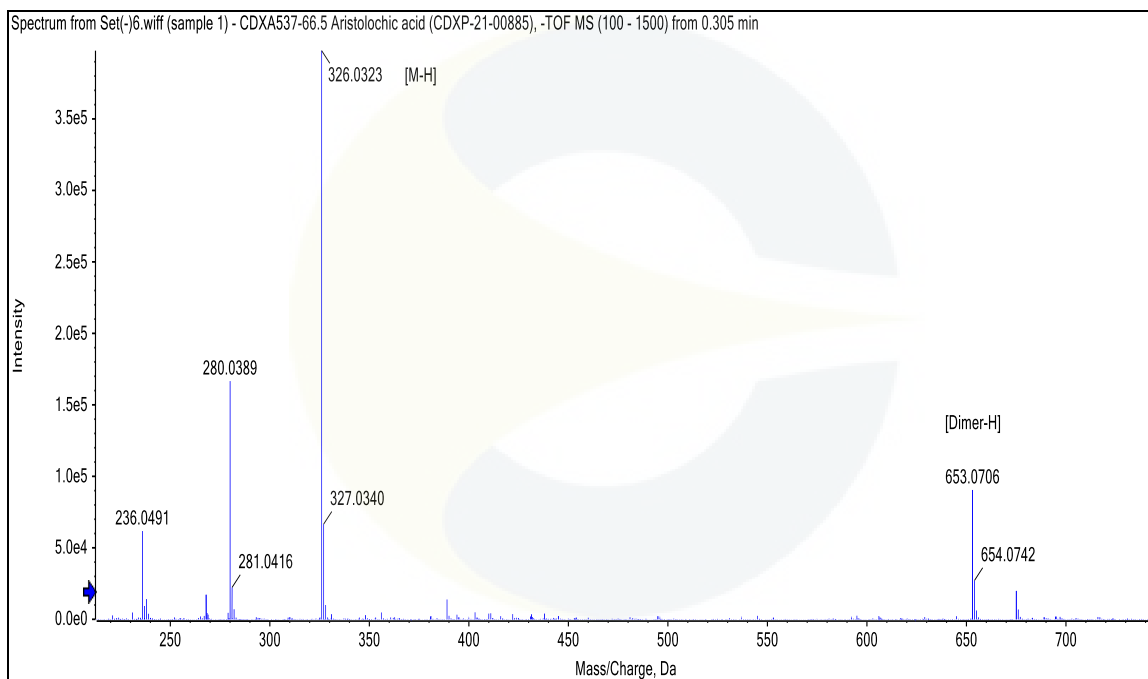
HPLC CHROMATOGRAM OF DILUENT BLANK



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MASS SPECTRUM OF ARISTOLOCHIC ACID C (CDXP-21-00885)

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	12/20/2021	New report

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