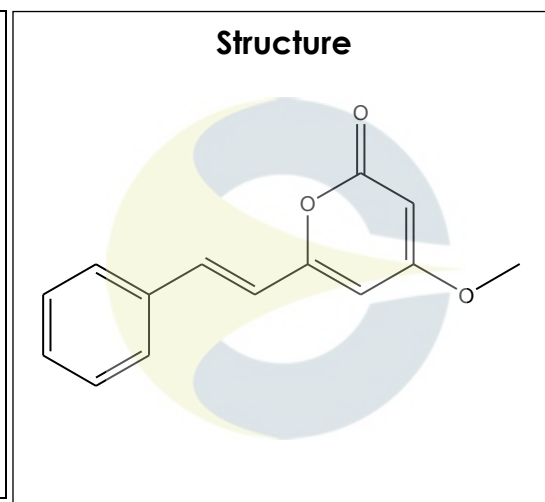


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PRODUCT NAME	Desmethoxyyangonin
PART NUMBER	00004236
STANDARD TYPE	Primary (P)
LOT NUMBER	00004236-148
REPORT NUMBER	CDXA-RSS-7743-01
SAMPLE NUMBER	CDXP-17-00146
DATE OF SAMPLE	10/17/2017
DATE OF RE-EVALUATION	08/31/2021 (1 st)
DATE OF REPORT	09/17/2021



CHEMICAL NAMES	(E)-4-Methoxy-6-(2-phenylethenyl)-2H-pyran-2-one; Demethoxyyangonin
CHEMICAL FORMULA	C ₁₄ H ₁₂ O ₃
MOLECULAR WEIGHT (MW)	228.24
CHEMICAL FAMILY	Kavalactones
CAS NUMBER	[15345-89-8]
EC#(EINECS)	NA
RTECS	UQ1240000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	99.7%
HPLC	0.700.10.2.METH22	≥ 90%	99.9%
NMR	4.5.3-CD-4.0-000338	Conforms to structure	Conforms to structure
Mass Spectrum	99.1-CDXA-3.0-000126	Conforms	Conforms
Residual Solvent	99.1-CD-9.0-000115	NA	MeOH – 0.1%; EtOAc – 0.1% MeOAc < 0.1%; Hexane < 0.1%
Water	0.700.12.37	NA	ND
Appearance	NA	NA	Light yellow powder

ADJUSTED PURITY: 99.7% IS BASED ON (100 – 0.0 WATER - 0.2 SOLVENTS) X 99.9% HPLC

STORAGE CONDITIONS

STORAGE	-20 °C in a dry place.
EXPIRATION DATE	08/2026 under the above conditions.



Digitally signed by
Tiffany Rodgers
 Date: 2021.09.17
 08:54:11 -06'00'

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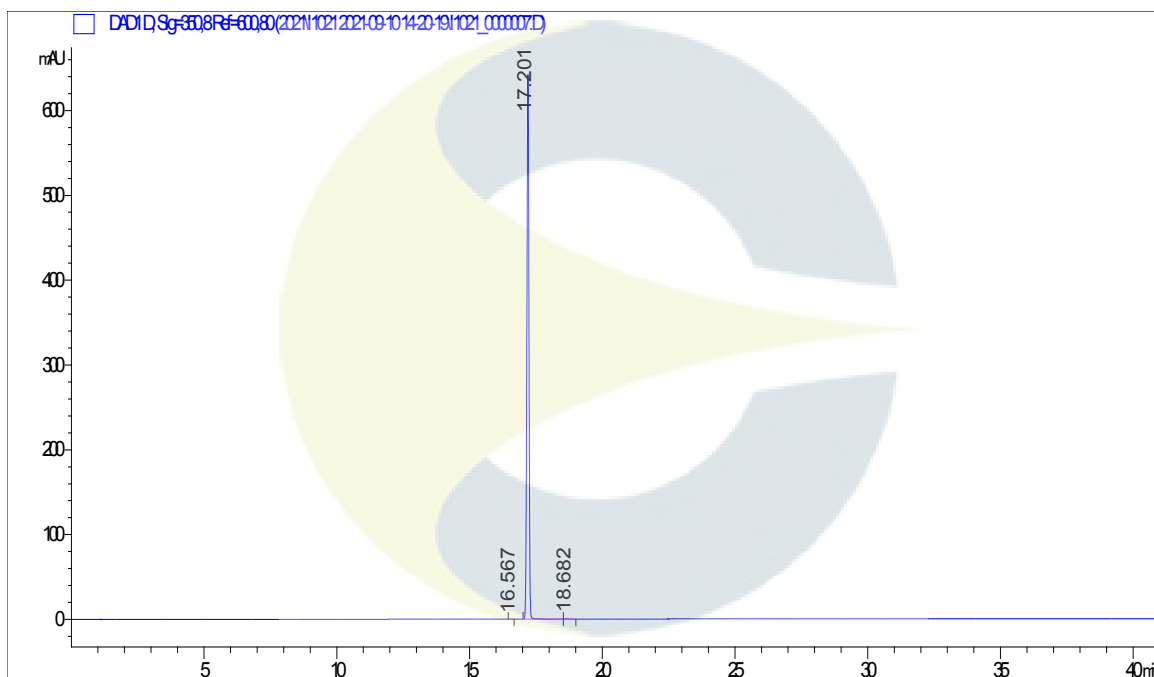
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ANALYTICAL CONDITIONS

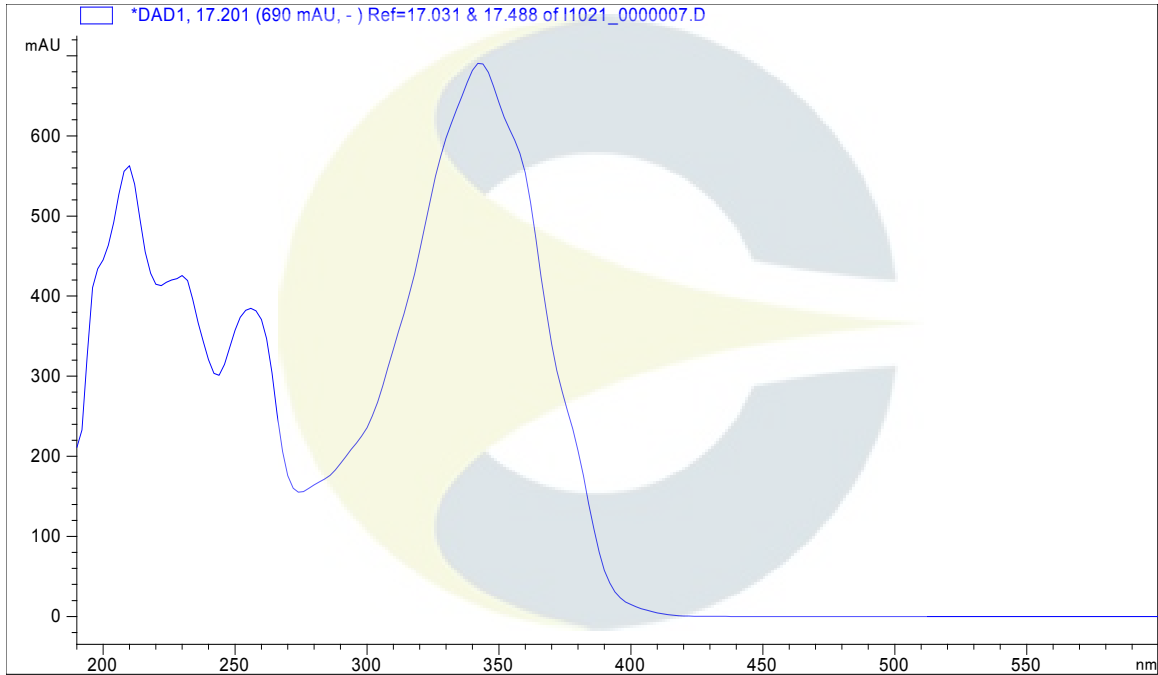
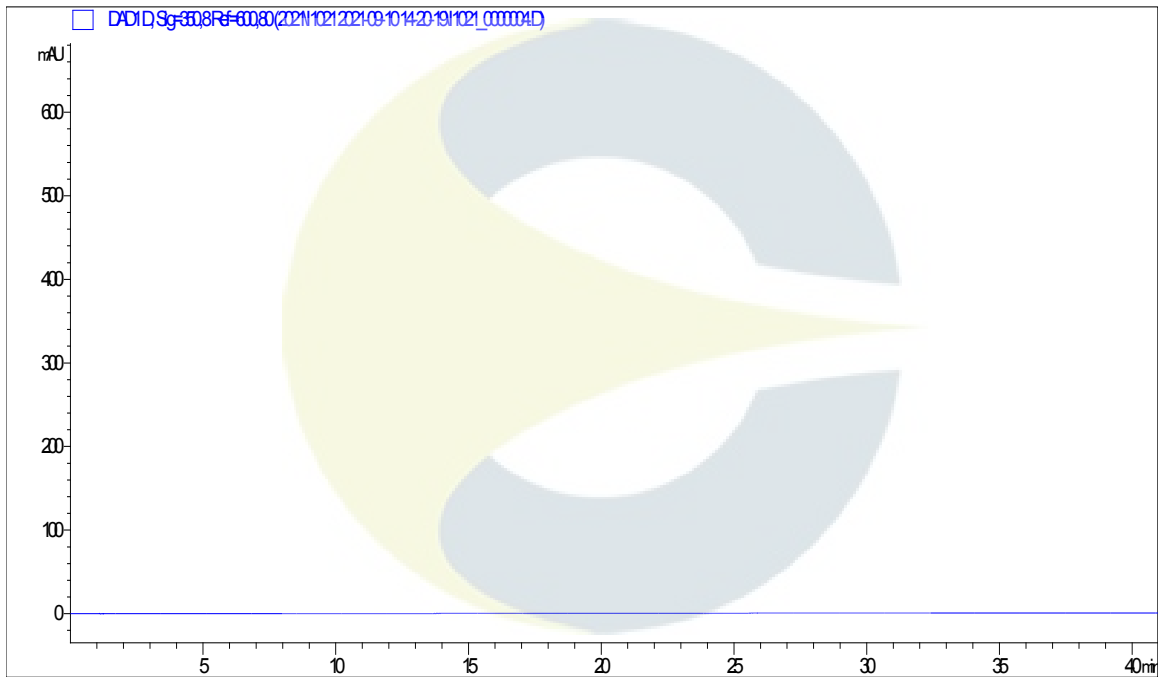
INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
MOBILE PHASE	A - 0.1% Trifluoroacetic acid in Ultrapure water, B - Acetonitrile; Isocratic 5% B for 5 minutes, then increasing to 95% B over 20 minutes. Hold at 95% B for 15 minutes.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	0.2 µL
INJECTION CONC.	1.1 mg/mL in Methanol
DETECTION	350 ± 4 nm

HPLC CHROMATOGRAM OF DESMETHOXYANGONIN (CDXP-17-00146)



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UV SPECTRUM AT RT = 17.2 MINUTES

HPLC CHROMATOGRAM OF DILUENT BLANK


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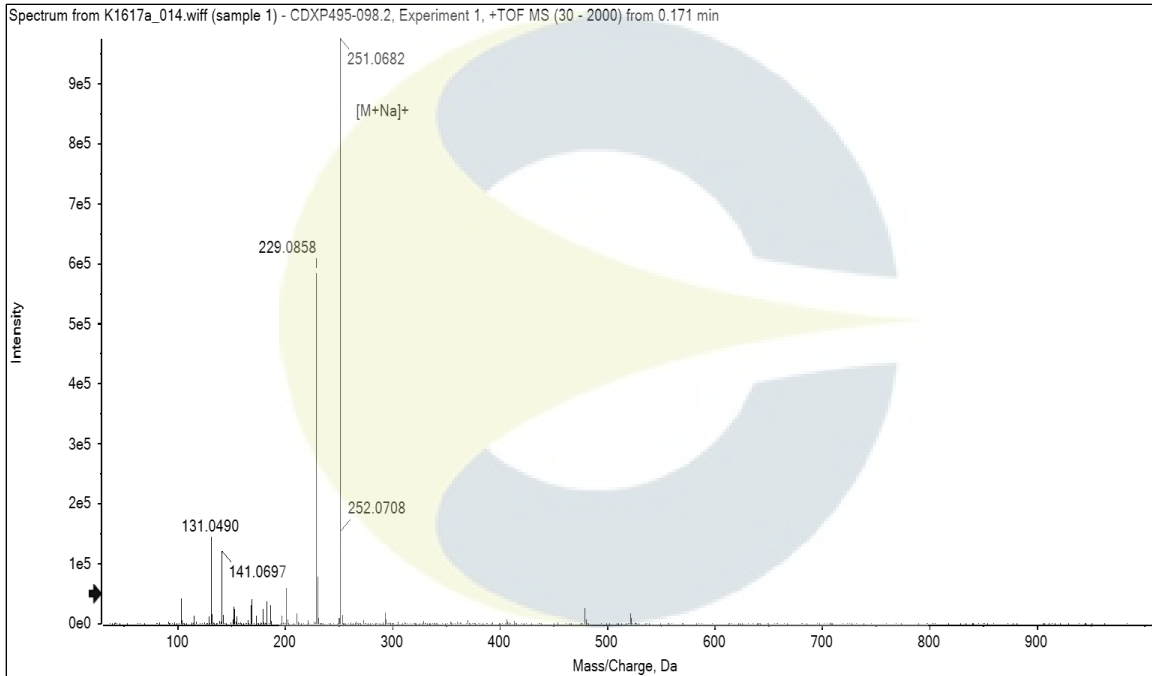
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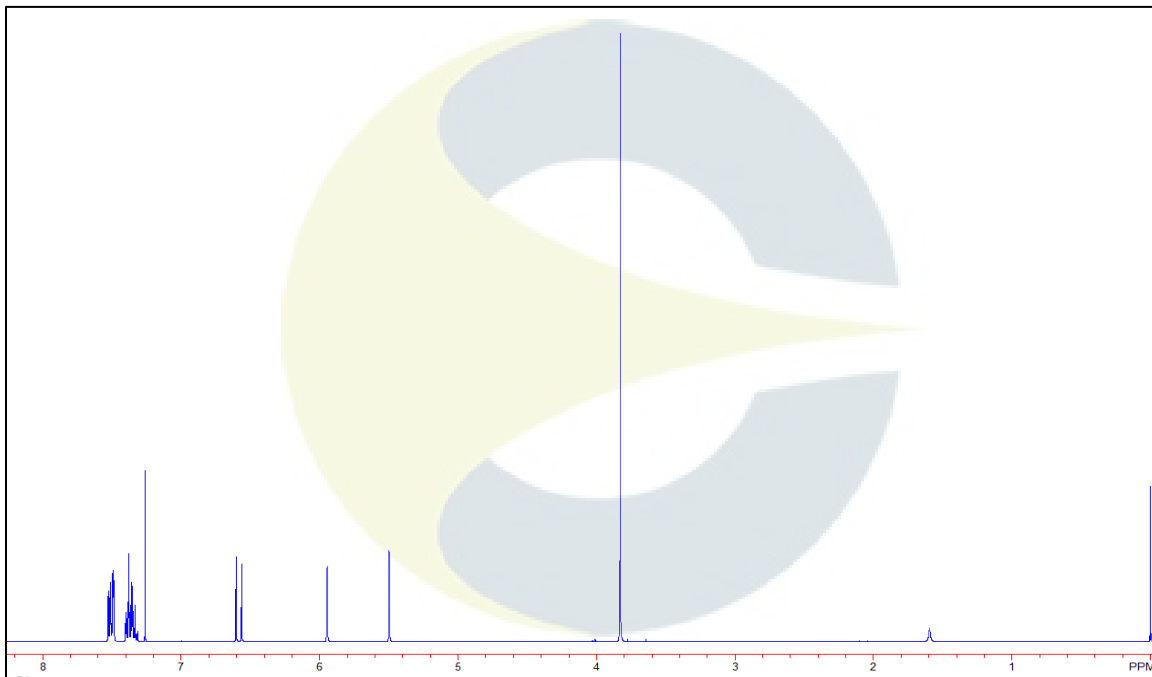
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MASS SPECTRUM OF DESMETHOXYANGONIN (CDXP-17-00146)



¹H-NMR SPECTRUM OF DESMETHOXYANGONIN (CDXP-17-00146) IN CDCl₃

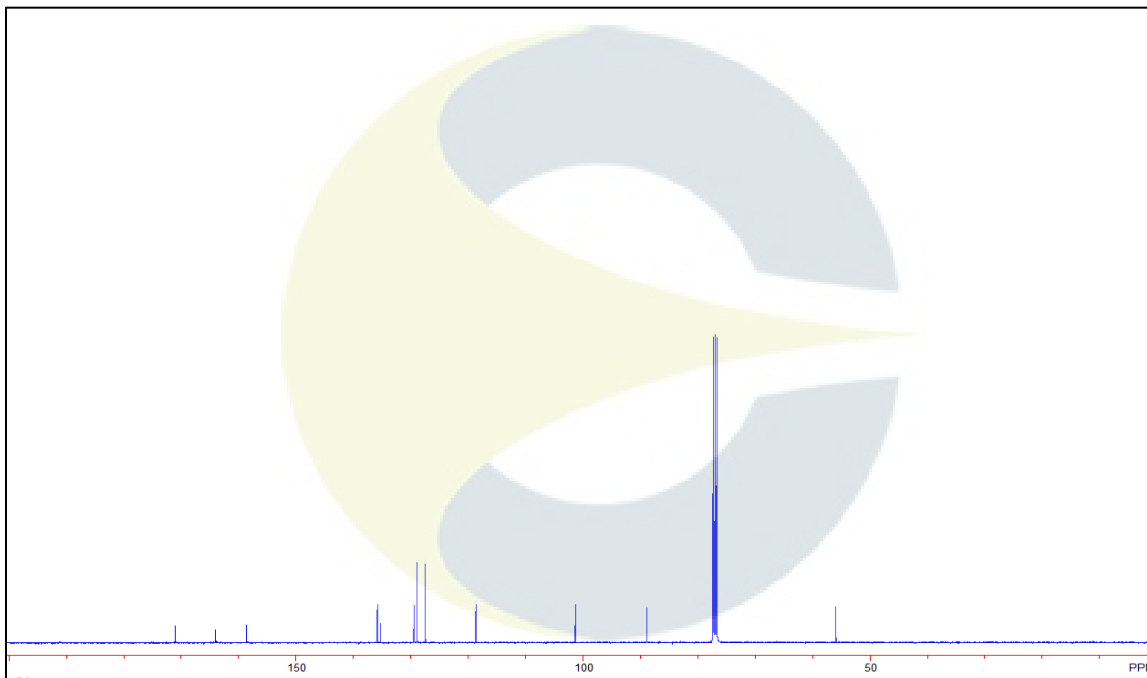


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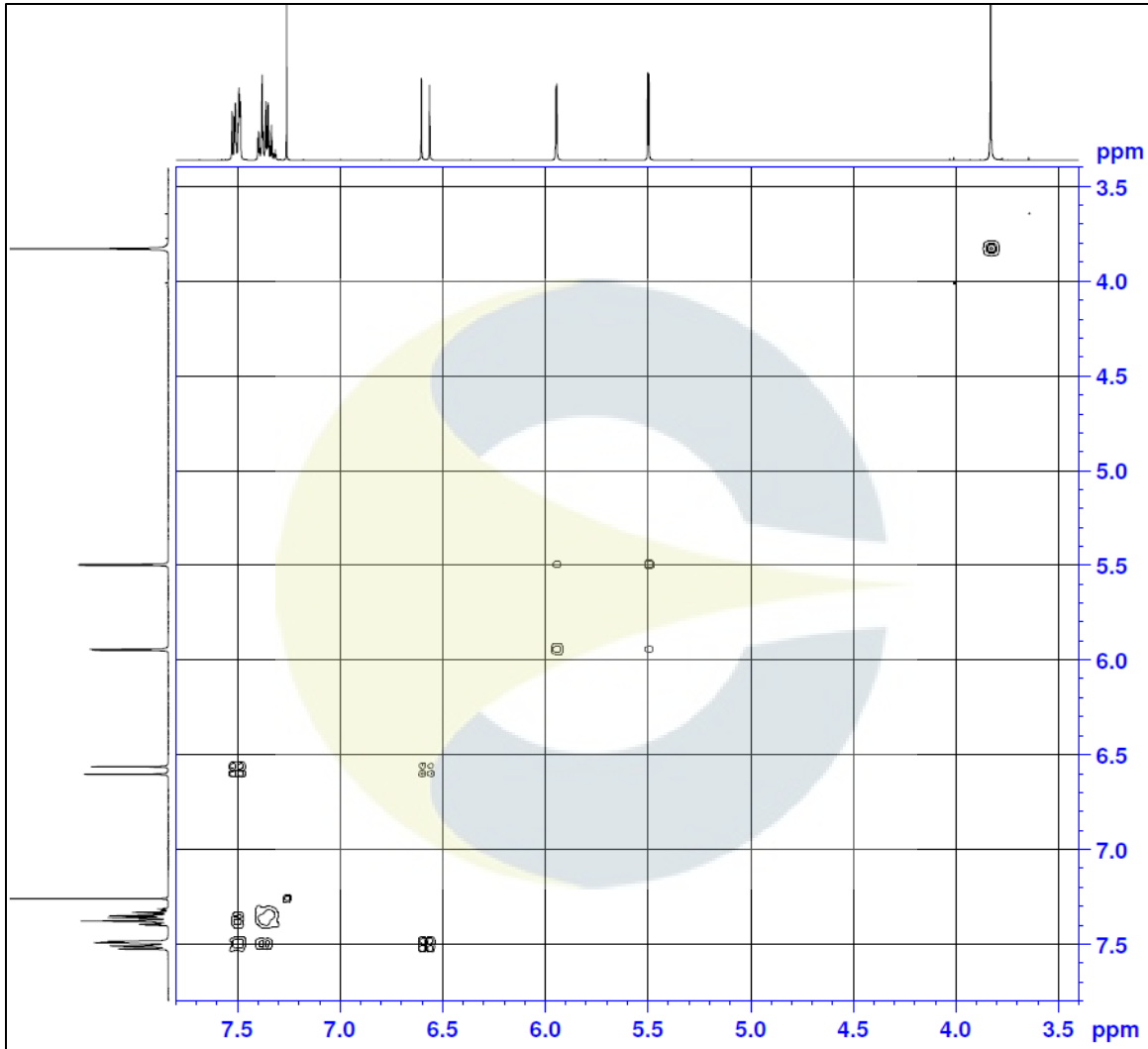
¹³C-NMR SPECTRUM OF DESMETHOXYANGONIN (CDXP-17-00146) IN CDCl₃



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COSY-NMR SPECTRUM OF DESMETHOXYANGONIN (CDXP-17-00146) IN CDCl₃

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	11/20/2017	New report
01	09/17/2021	Passed re-evaluation by HPLC and KF. Updated analytical conditions, results, chromatograms, and expiration date.

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