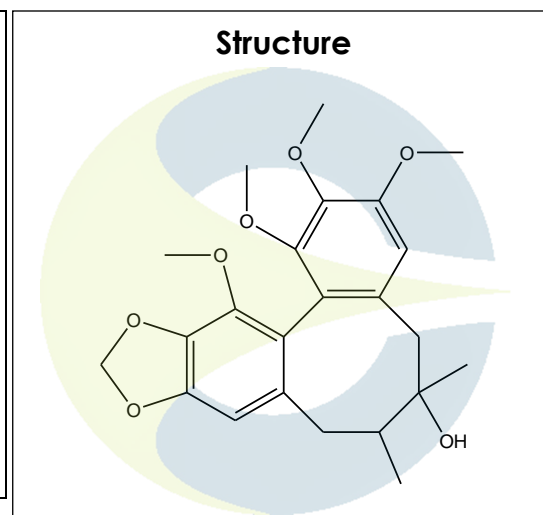


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PRODUCT NAME	Schisandrol B
PART NUMBER	00019501
STANDARD TYPE	Primary (P)
LOT NUMBER	00019501-018
REPORT NUMBER	CDXA-RSS-6055-02
SAMPLE NUMBER	CDXA-14-1751
DATE OF SAMPLE	03/17/2014
DATE OF RE-EVALUATION	10/24/2018 (1 st); 09/12/2022 (2 nd)
DATE OF REPORT	10/07/2022



CHEMICAL NAMES	(6S,7S,13aR)-5,6,7,8-Tetrahydro-1,2,3,13-tetramethoxy-6,7-dimethylbenzo[3,4]cycloocta[1,2-f][1,3]benzodioxol-6-ol; Besigomsin; Gomisin A; Wuweizichun B
CHEMICAL FORMULA	C ₂₃ H ₂₈ O ₇
MOLECULAR WEIGHT (MW)	416.47
CHEMICAL FAMILY	Lignans
CAS NUMBER	[58546-54-6]
EC#(EINECS)	NA
RTECS	DE8396900

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	99.7%
HPLC	0.700.10.2.METH22	≥ 90%	99.7%
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-7.0-000115	NA	ND
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.

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

STORAGE CONDITIONS

STORAGE	-20 °C in a dry place.
EXPIRATION DATE	09/2027 under the above conditions.

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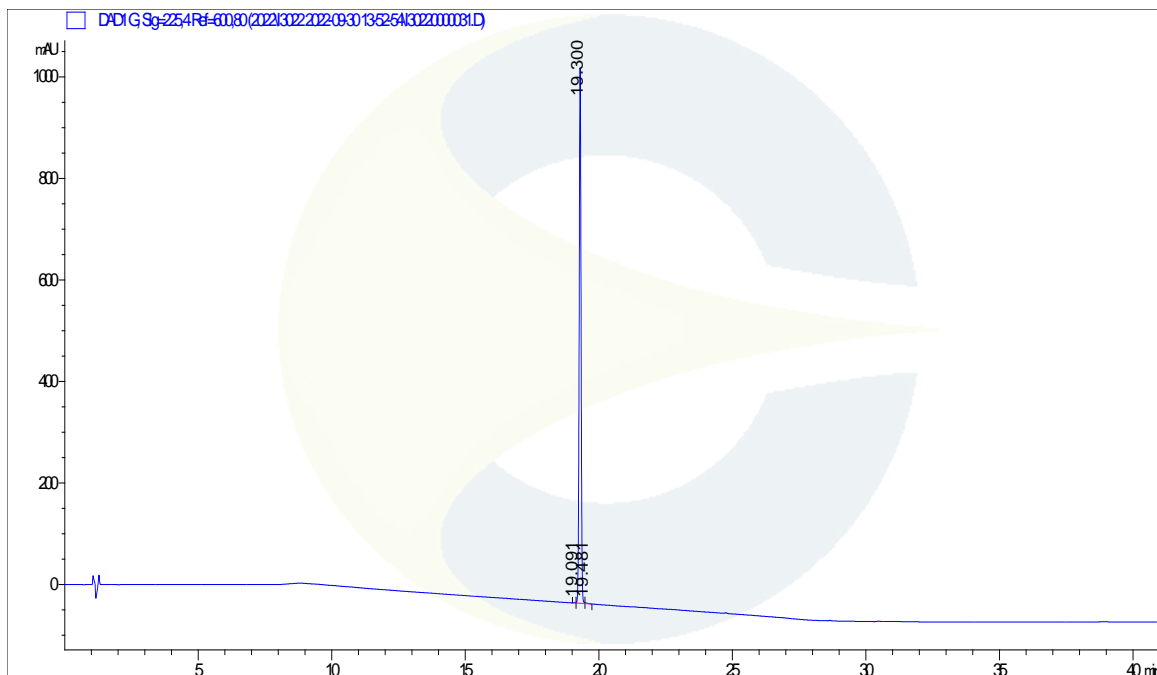
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ANALYTICAL CONDITIONS

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, then decreasing to 5% B over 1 minute.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	0.4 µL
INJECTION CONC.	1.0 mg/mL in Methanol
DETECTION	225 ± 2 nm

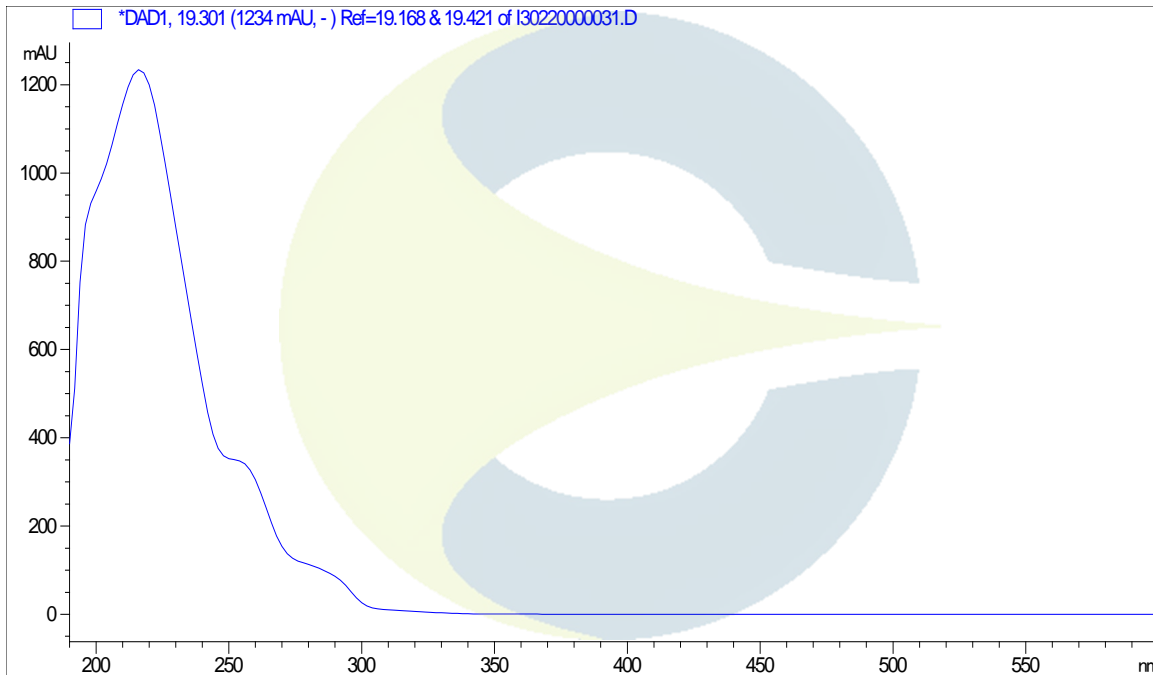
HPLC CHROMATOGRAM OF SCHISANDROL B (CDXA-14-1751)



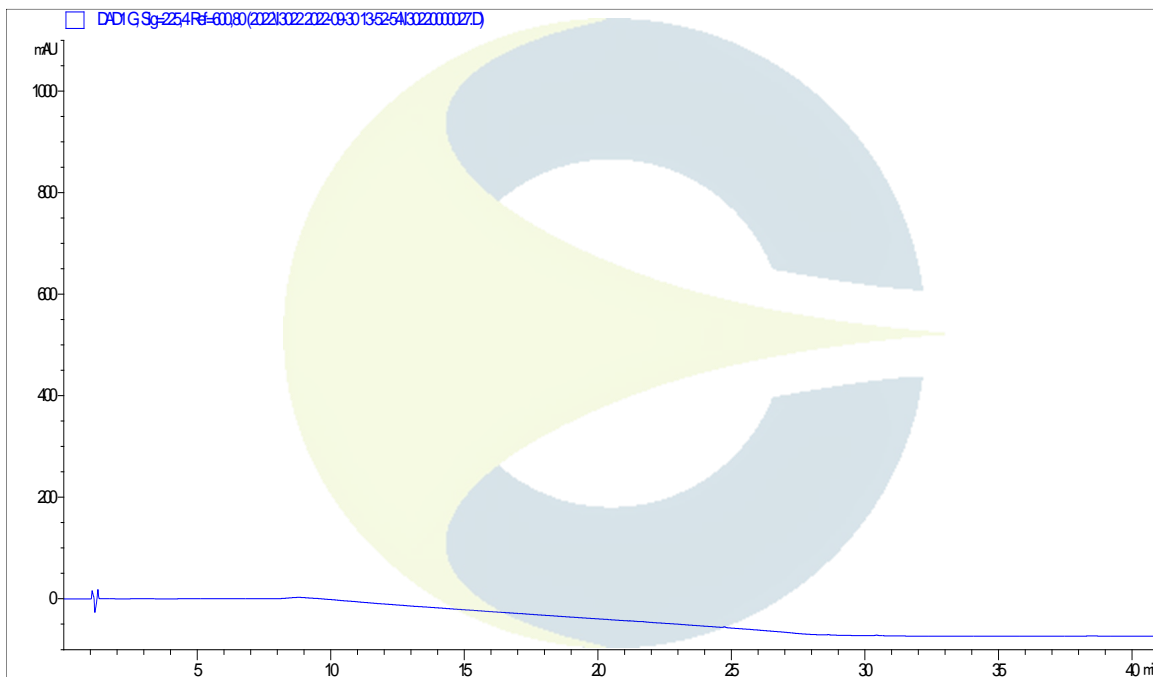
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UV SPECTRUM AT 19.3 MINUTES

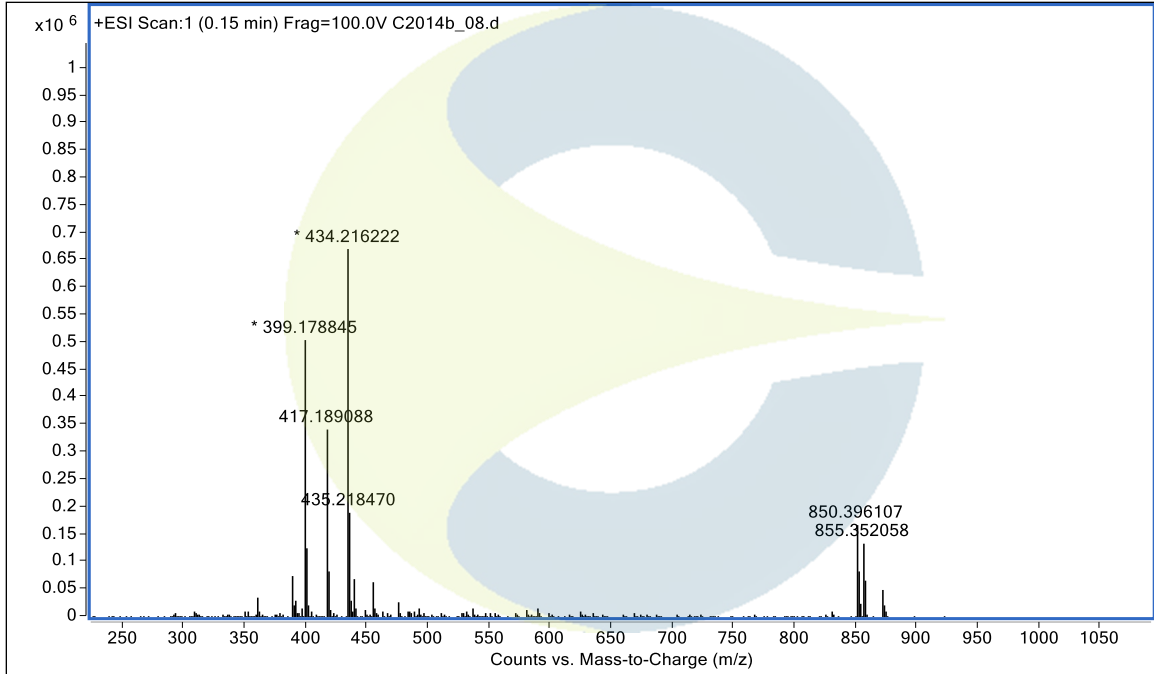


HPLC CHROMATOGRAM OF DILUENT BLANK

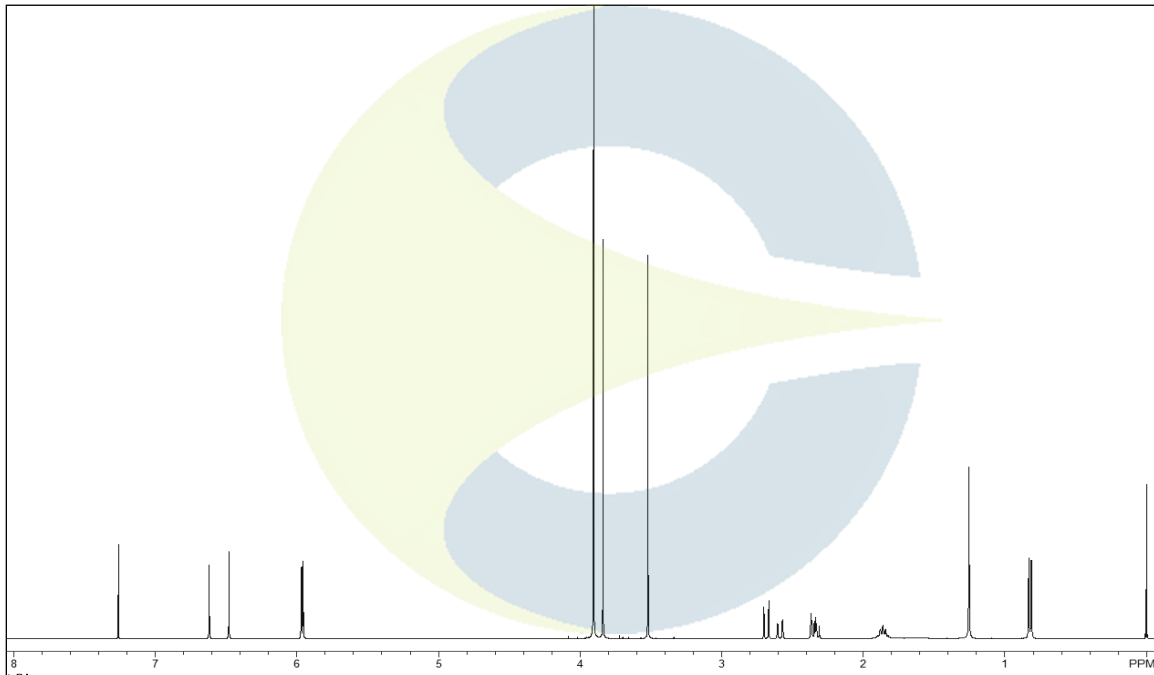


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MASS SPECTRUM OF SCHISANDROL B (CDXA-14-1751)

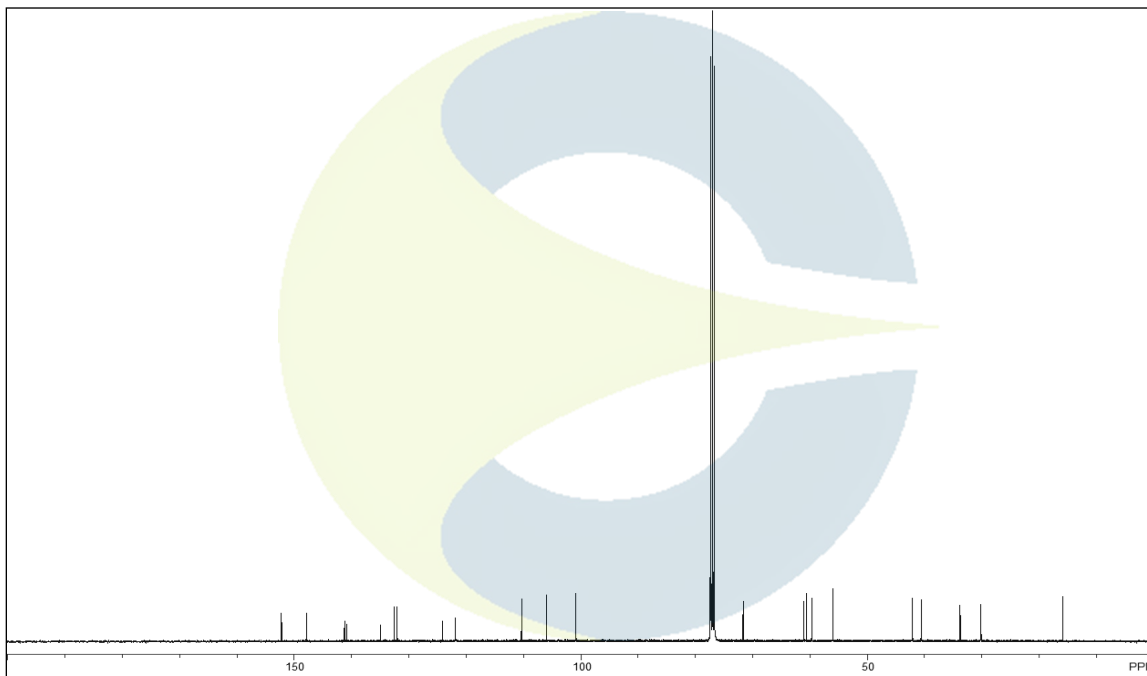


¹H-NMR SPECTRUM OF SCHISANDROL B (CDXA-14-1751) IN CDCl₃

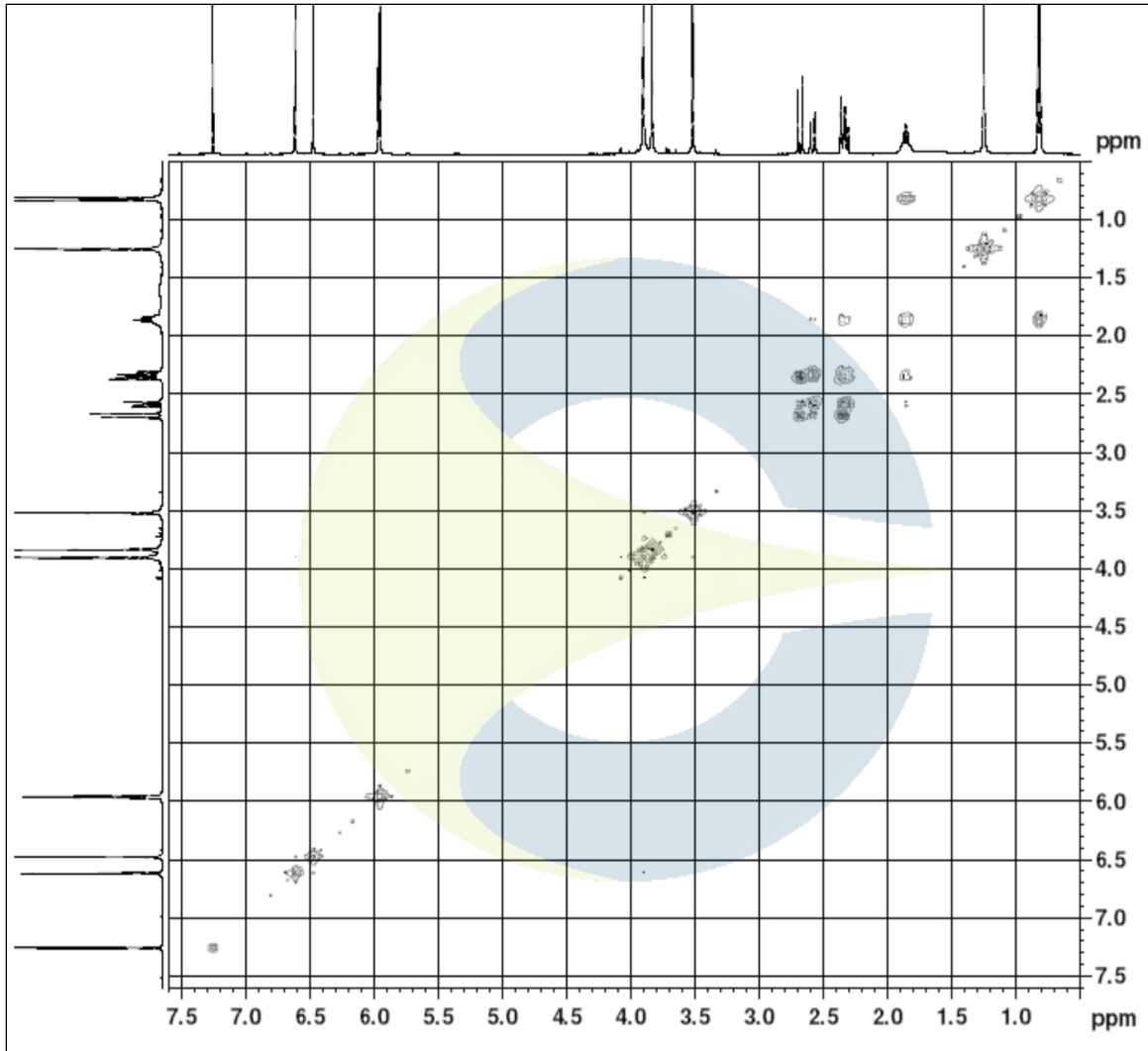


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¹³C-NMR SPECTRUM OF SCHISANDROL B (CDXA-14-1751) IN CDCl₃



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COSY-NMR SPECTRUM OF SCHISANDROL B (CDXA-14-1751) IN CDCl₃

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	04/03/2014	New report
01	11/20/2018	Passed first re-evaluation by HPLC and KF. Updated analytical method, conditions, chromatograms, results, and expiration date. Removed melting point.
02	10/07/2022	Passed second re-evaluation by HPLC and KF. Updated analytical methods, conditions, chromatograms, results, and expiration date.

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