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Certificate of Analysis

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PRODUCT NAME	gamma-Schisandrin	Structu
PART NUMBER	00019505	0
STANDARD TYPE	Primary (P)	
LOT NUMBER	00019505-507	- <u>o</u>
REPORT NUMBER	CDXA-RSS-9095-00	
SAMPLE NUMBER	CDXP-20-00550	
DATE OF SAMPLE	07/16/2020	
DATE OF REPORT	08/05/2020	
CHEMICAL NAMES	Wuweizisu B; (±)-γ-Schisandrin; Schisan	drin B
CHEMICAL FORMULA	C ₂₃ H ₂₈ O ₆	
MOLECULAR WEIGHT (MW)	400.46	
CHEMICAL FAMILY	Lignans	
CAS NUMBER	[61281-37-6]	
EC#(EINECS)	NA	
RTECS	DE8396500	

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	NA	99.0%
HPLC	0.700.10.2.METH22	NA	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	EtOH – 0.1%
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory. ADJUSTED PURITY: 99.0% IS BASED ON (100 - 0.1 SOLVENTS - 0.0 WATER) X 99.1% HPLC

STORAGE CONDITIONS

STORAGE

-20 °C in a dry place.

EXPIRATION DATE 07/2025 under the above conditions.

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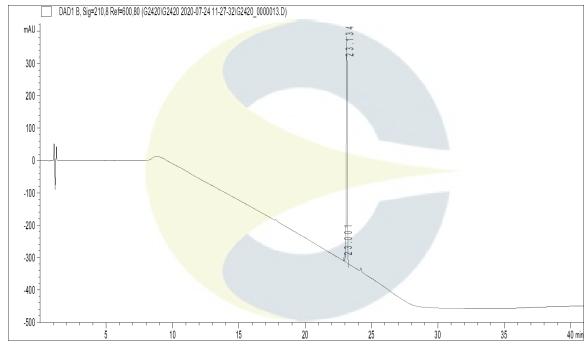
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ANALYTICAL CONDITIONS

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 over 1 minute.	
COLUMN TEMP.	0° C	
FLOW RATE	0.4 mL/minute	
INJECTION VOL.	0.2 μL	
INJECTION CONC.	1.3 mg/mL in Methanol	
DETECTION	210 ± 4 nm	

HPLC CHROMATOGRAM OF GAMMA-SCHISANDRIN (CDXP-20-00550)





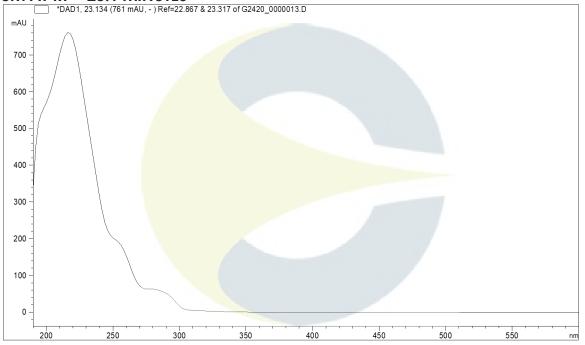


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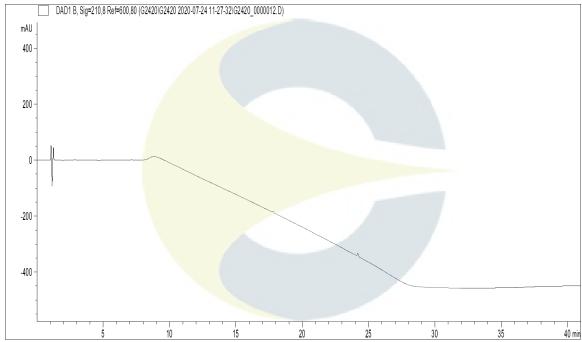
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UV SPECTRUM AT RT = 23.1 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



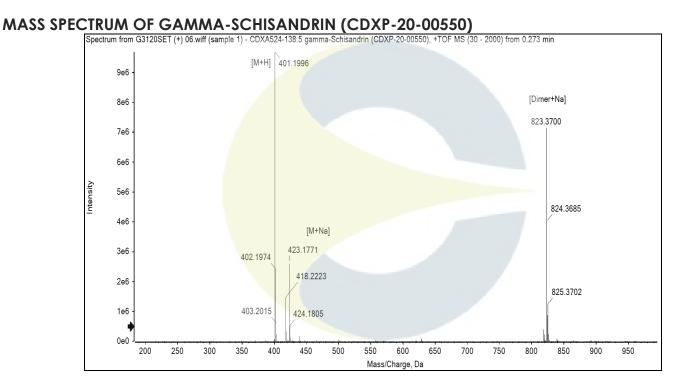




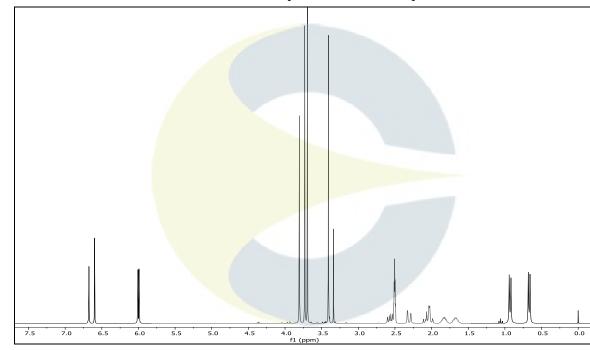
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¹H-NMR SPECTRUM OF GAMMA-SCHISANDRIN (CDXP-20-00550) IN DMSO-d₆ + TMS







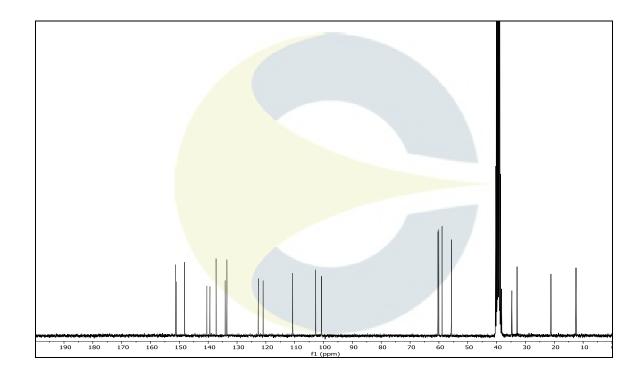


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¹³C-NMR SPECTRUM GAMMA-SCHISANDRIN (CDXP-20-00550) IN DMSO-d₆ + TMS



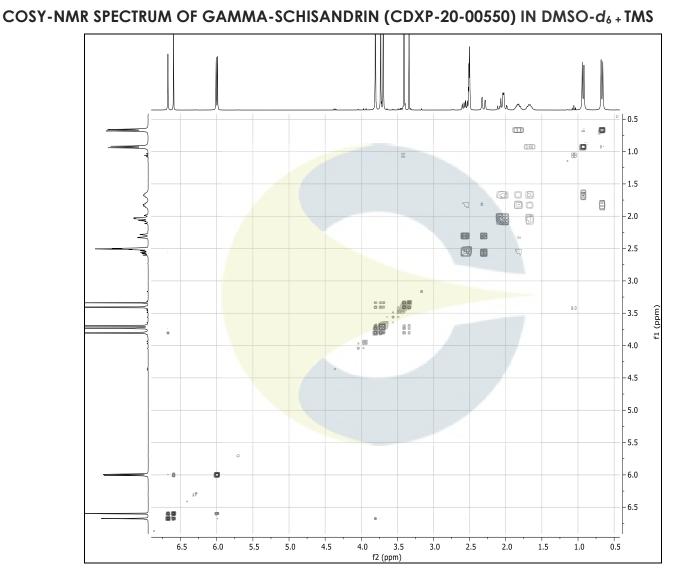




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REVISION HISTORY

Revision History	Date of Revision	Document/Changes
00	08/05/2020	New report