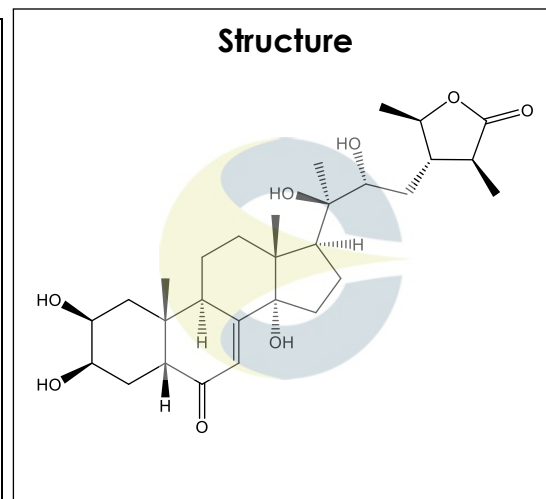


Certificate of Analysis

For Laboratory Use Only

PRODUCT NAME	Cyasterone
PART NUMBER	00003960
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00003960-108
REPORT NUMBER	CDXA-RSS-3205-02
SAMPLE NUMBER	CDXA-08-2698
DATE OF SAMPLE	11/03/2008
DATE OF RE-EVALUATION	08/16/2013 (1 st), 07/23/2020 (2 nd)
DATE OF REPORT	08/10/2020



CHEMICAL NAMES	(2 β ,3 β ,5 β ,22R,24S,25S,28R)-2,3,14,20,22,28-Hexahydroxy-6-oxo-stigmast-7-en-26-oic acid γ -lactone; Cyasteron
CHEMICAL FORMULA	C ₂₉ H ₄₄ O ₈
MOLECULAR WEIGHT (MW)	520.65
CHEMICAL FAMILY	Steroids
CAS NUMBER	[17086-76-9]
EC#(EINECS)	683-195-0
RTECS	WJ2510000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH22	NA	91.7%
Mass Spectrum	Direct Infusion, ESI (+)	Conforms	Conforms
Appearance	NA	NA	White powder

STORAGE CONDITIONS

STORAGE	-20 °C in a dry place.
EXPIRATION DATE	07/2025 under the above conditions.

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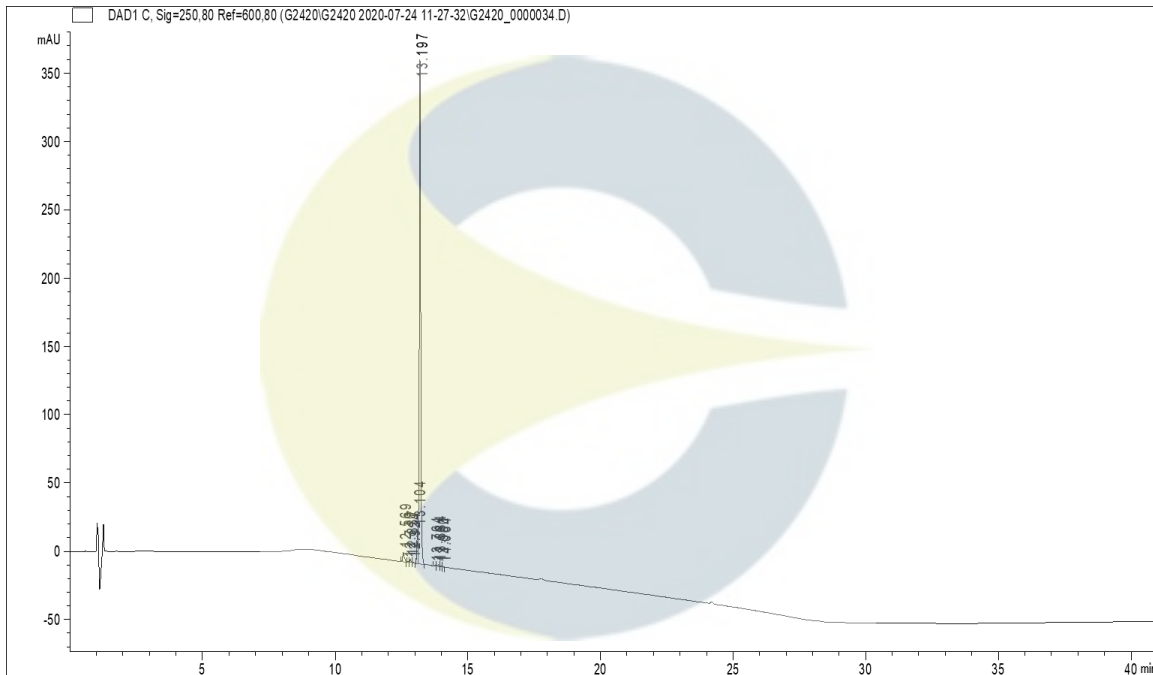
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); FINNIGAN LCQ-DECA
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.	1.0 µL
INJECTION CONC.	1.1 mg/mL in Methanol
DETECTION	250 ± 40 nm

HPLC CHROMATOGRAM OF CYASTERONE (CDXA-08-2698)

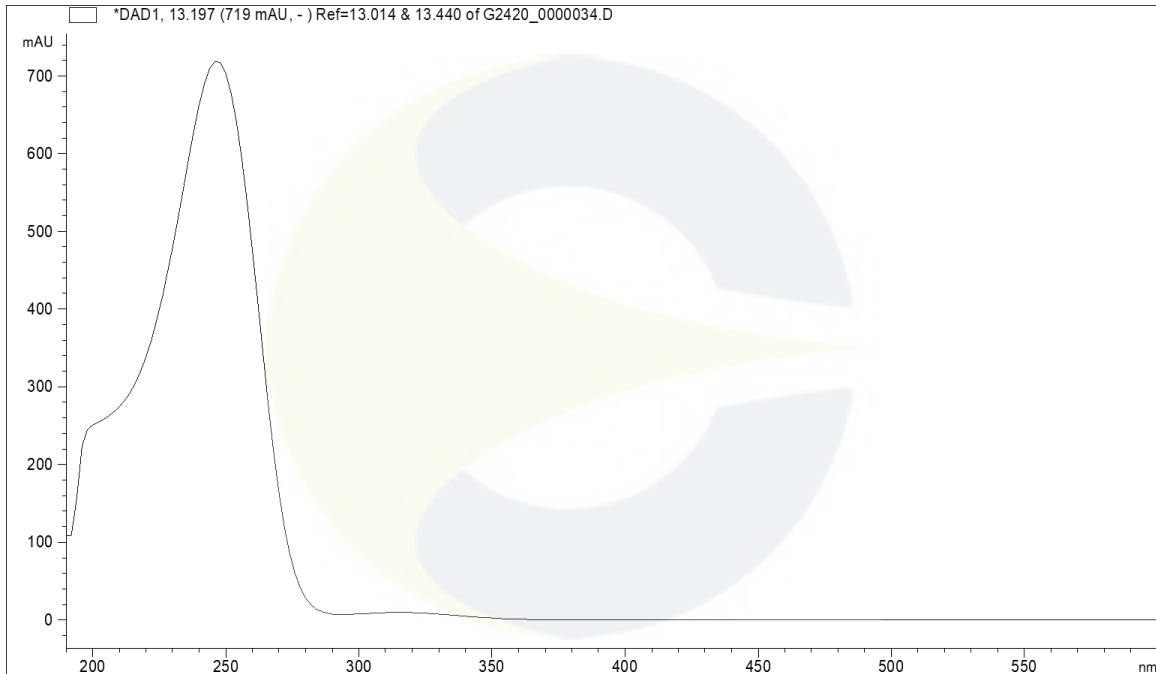


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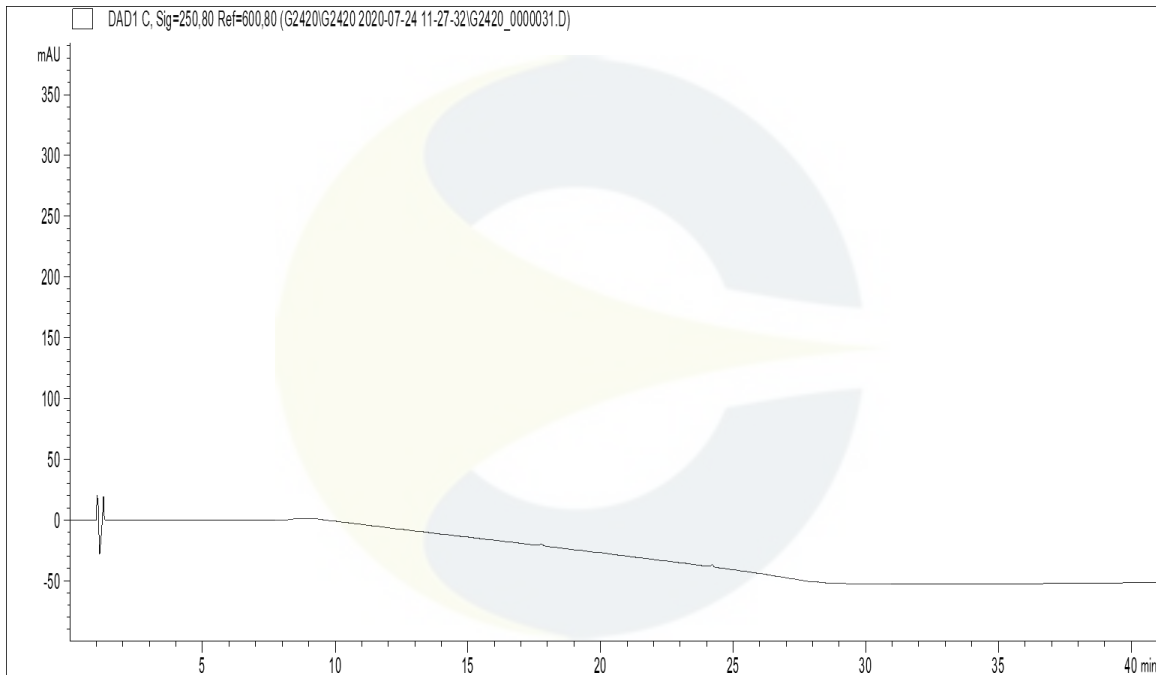
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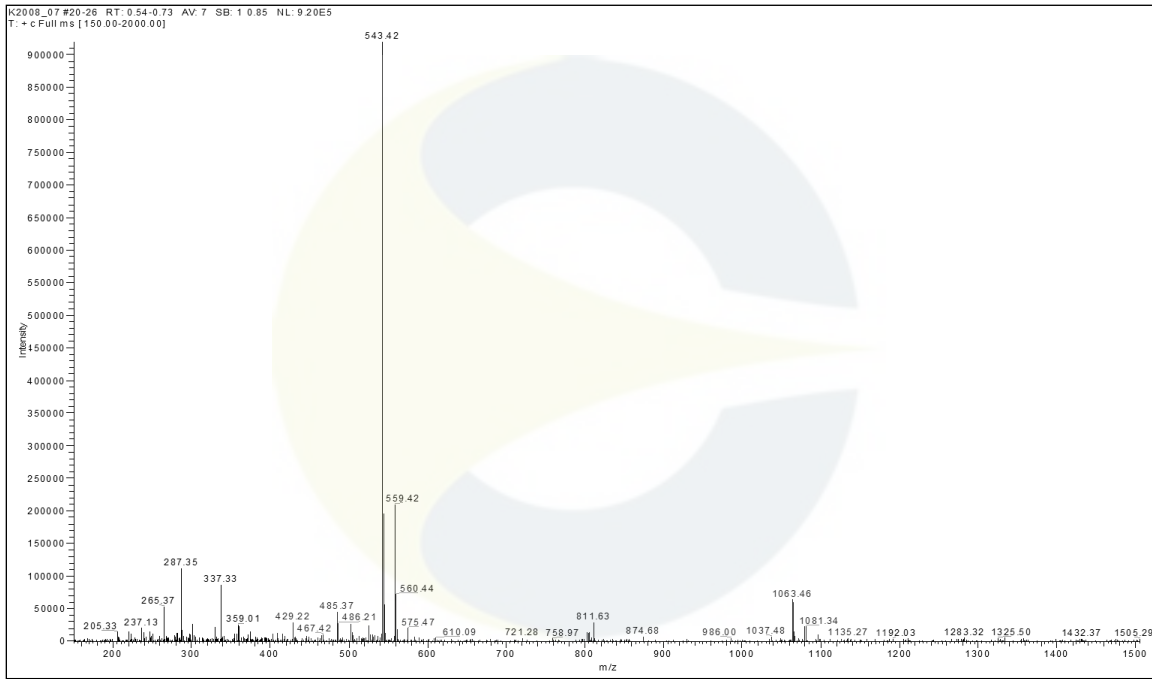
UV SPECTRUM AT RT 13.2 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



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MASS SPECTRUM OF CYASTERONE (CDXA-08-2698)

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	12/03/2008	New report
01	10/11/2013	Material passed re-evaluation. Updated expiration date.
02	08/10/2020	Passed re-evaluation by HPLC. Updated structure, EINECS number, analytical results, expiration date, analytical conditions, chromatograms, UV spectrum, and removed melting point

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