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Certificate of Analysis

For Laboratory Use Only

PRODUCT NAME	Cyasterone	Structure
PART NUMBER	00003960	
STANDARD TYPE	Analytical Standard (AS)	HO
LOT NUMBER	00003960-108	HO
REPORT NUMBER	CDXA-RSS-3205-02	
SAMPLE NUMBER	CDXA-08-2698	Но
DATE OF SAMPLE	11/03/2008	но
DATE OF RE-EVALUATION	08/16/2013 (1st), 07/23/2020 (2nd)	H H O
DATE OF REPORT	08/10/2020	
CHEMICAL NAMES	(2β,3β,5β,22R,24S,25S,28R)-2,3,14,20,22 oic acid γ-lactone; Cyasteron	,28-Hexahydroxy-6-oxo-stigmast-7-en-26-
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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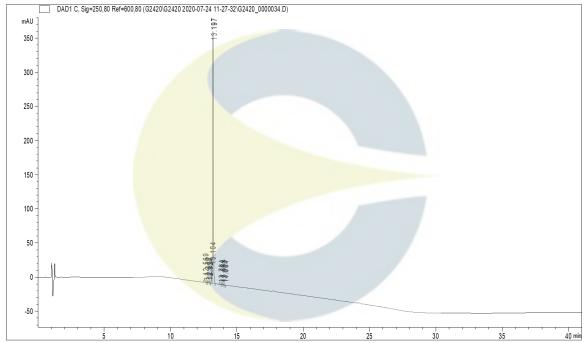
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ANALYTICAL CONDITIONS

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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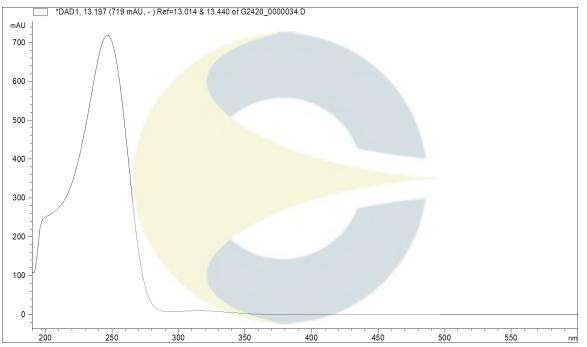


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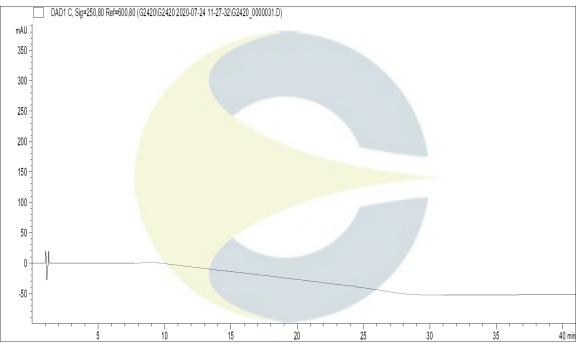
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UV SPECTRUM AT RT 13.2 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



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287.35

337.33

59.01

400

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MASS SPECTRUM OF CYASTERONE (CDXA-08-2698) K2008_07#20-26 RT:0.54-0.73 AV:7 SB:10.85 NL:9.20E5 T:+cFullms[150.00-2000.00] 543.42 900000 850000 800000 750000-700000 650000-600000 550000 500000 Ê \$50000 400000 350000 300000 250000 200000 150000

560.4

600

610.09

700

485.3

500

429.22 467.42

REVISION HISTORY

100000

5000

205.33

200

<u>Revision History</u>	Date of Revision	Document/Changes
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

811.63

800

874 6

900

721.28 758.97

1063.46

1100

986.00 1037.48

1000

1081.34

1200

1283.32 1325.50

1300

1432.37 1505.29

1500

1400

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