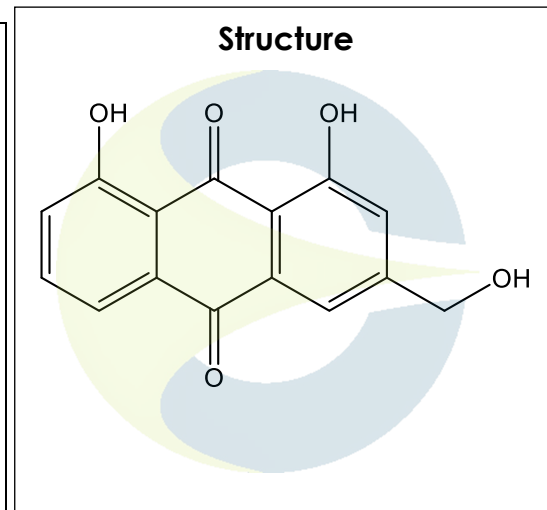


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PRODUCT NAME	Aloe Emodin
PART NUMBER	00001611
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00001611-00587
REPORT NUMBER	CDXA-RSS-8085-02
SAMPLE NUMBER	CDXP-18-00587
DATE OF SAMPLE	06/19/2018
DATE OF RE-EVALUATION	05/03/2022
DATE OF REPORT	06/01/2022



CHEMICAL NAMES	1,8,-Dihydroxy-3-(hydroxymethyl)-9,10-anthracenedione; 1,8-Dihydroxy-3-hydroxymethylanthraquinone; Rhabarberone
CHEMICAL FORMULA	C ₁₅ H ₁₀ O ₅
MOLECULAR WEIGHT (MW)	270.24
CHEMICAL FAMILY	Quinones
CAS NUMBER	[481-72-1]
EC#(EINECS)	207-571-7
RTECS	CB6712200

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH22	≥ 75%	94.4%
Mass Spectrum	99.1-04-3.0-000126	Conforms	Conforms
Appearance	NA	NA	Red-orange powder

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	05/2027 under the above conditions.

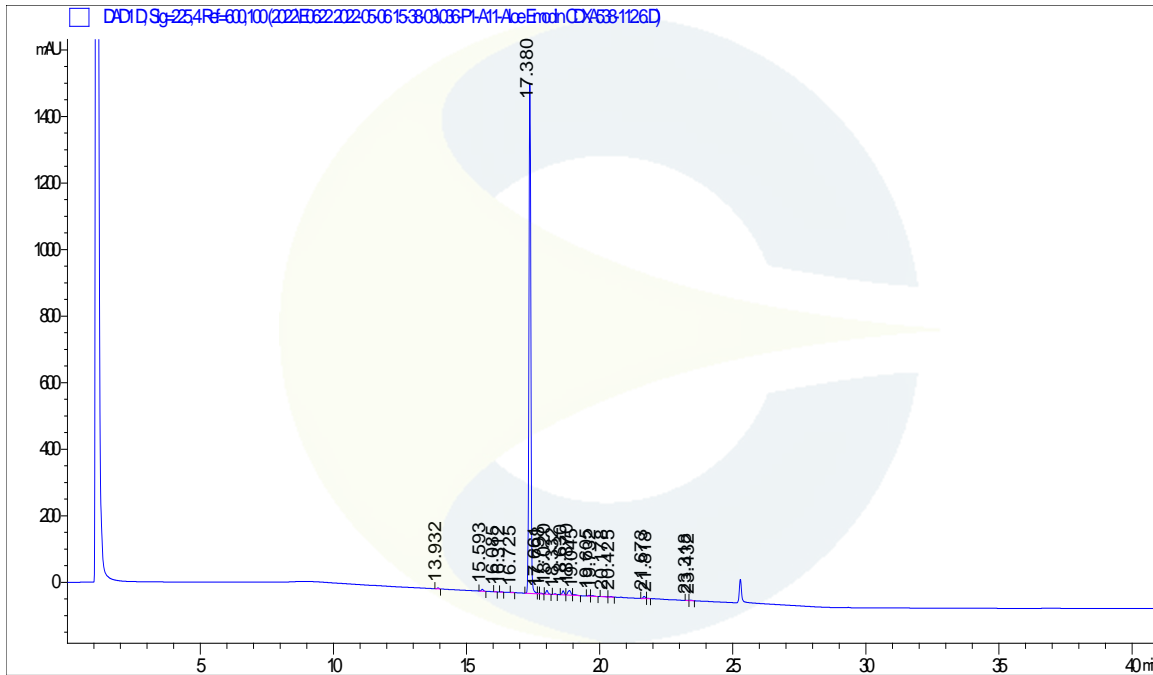
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ANALYTICAL CONDITIONS

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.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	0.4 µL
INJECTION CONC.	1.2 mg/mL in Dimethyl Sulfoxide (DMSO)
DETECTION	225 ± 2 nm

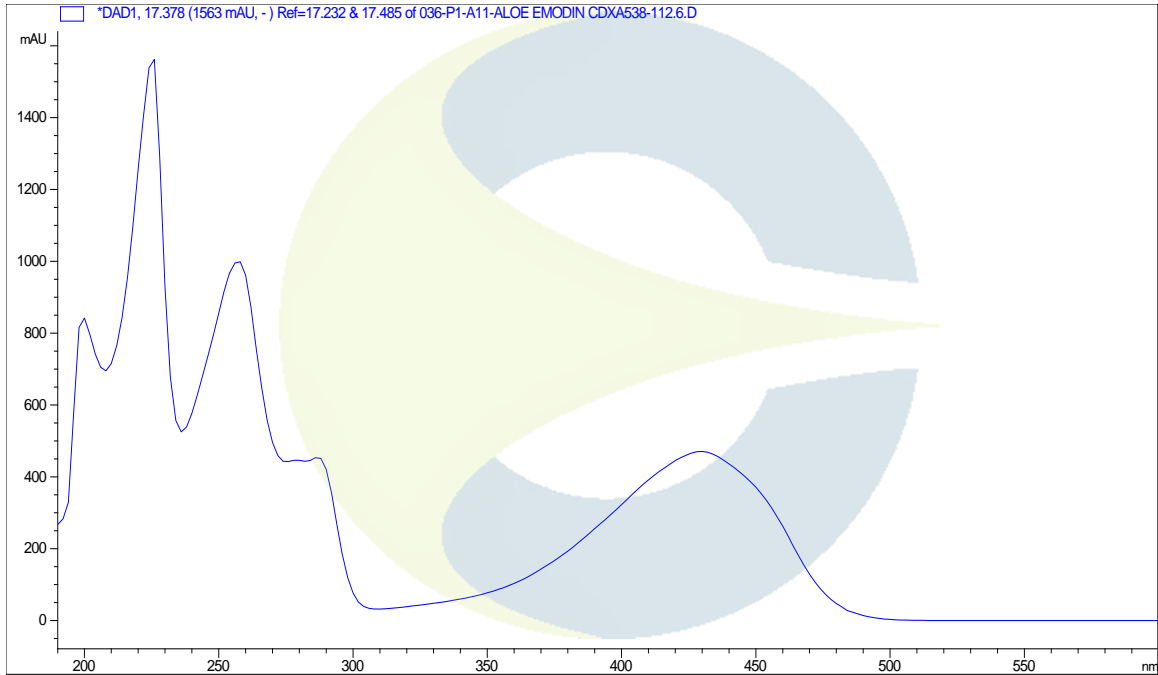
HPLC CHROMATOGRAM OF ALOE EMODIN (CDXP-18-00587)



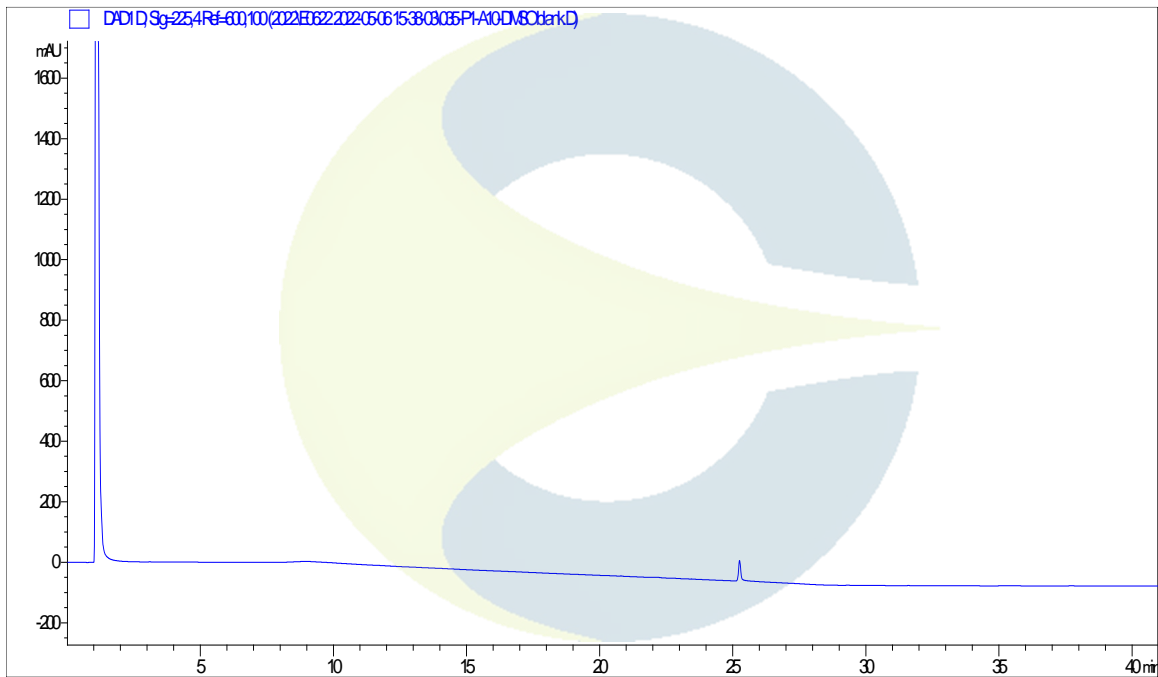
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UV SPECTRUM AT RT = 17.4 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



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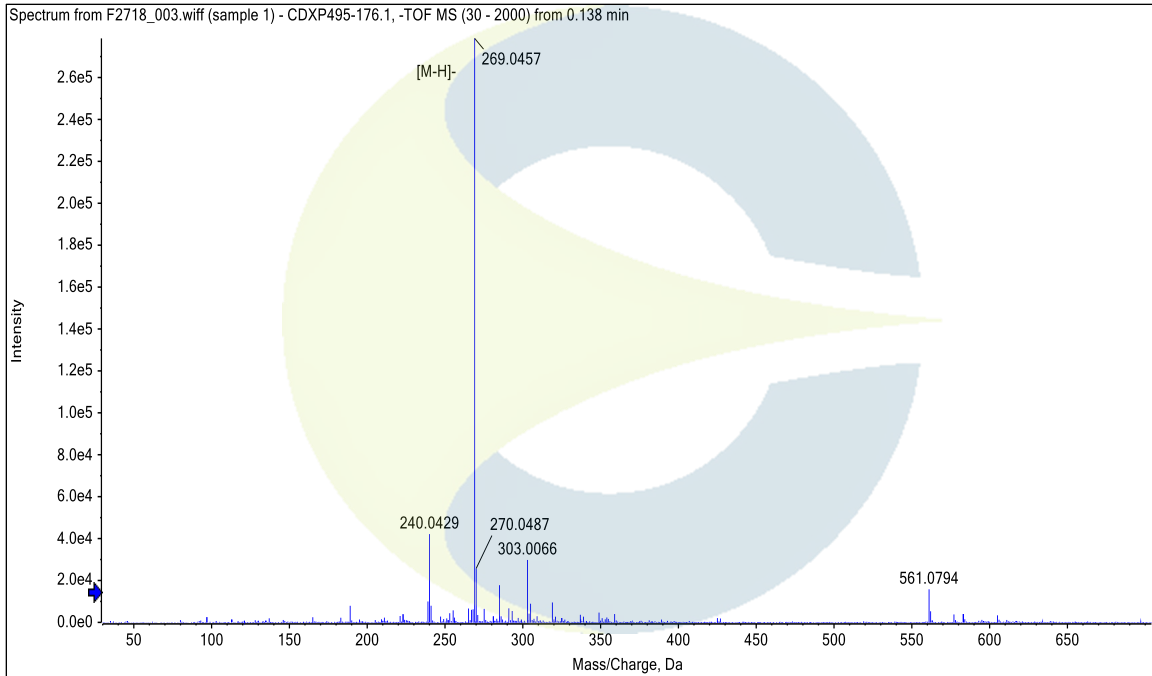
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MASS SPECTRUM OF ALOE EMODIN (CDXP-18-00587)



REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	07/02/2018	New report
01	10/09/2020	Revision. Updated template and storage conditions.
02	06/01/2022	Passed re-evaluation by HPLC. Updated expiration date and chromatograms.

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