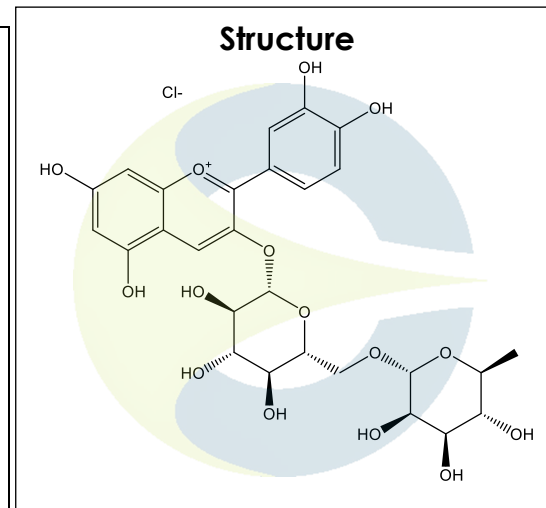


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PRODUCT NAME	Keracyanin Chloride
PART NUMBER	00011325
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00011325-604
REPORT NUMBER	CDXA-RSS-8076-01
SAMPLE NUMBER	CDXP-18-00546
DATE OF SAMPLE	06/07/2018
DATE OF RE-EVALUATION	05/03/2022
DATE OF REPORT	05/27/2022



CHEMICAL NAMES	3-[[6-O-(6-Deoxy- α -L-mannopyranosyl)- β -D-glucopyranosyl]oxy]-2-(3,4-dihydroxyphenyl)-5,7-dihydroxy-1-benzopyrylium chloride (1:1); 3-O-Rutinosylcyanidin; Cyanidol 3-rhamnoglucoside; Cyanidin 3-O-rutinoside chloride
CHEMICAL FORMULA	$C_{27}H_{31}O_{15} \cdot Cl$
MOLECULAR WEIGHT (MW)	630.98
CHEMICAL FAMILY	Anthocyanins
CAS NUMBER	[18719-76-1]
EC#(EINECS)	242-528-6
RTECS	OA5007000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH22	$\geq 75\%$	97.6%
Mass Spectrum	99.1-04-3.0-000126	Conforms	Conforms
Appearance	NA	NA	Purple powder

STORAGE CONDITIONS

STORAGE	-20 °C in a dry place.
EXPIRATION DATE	05/2027 under the above conditions.

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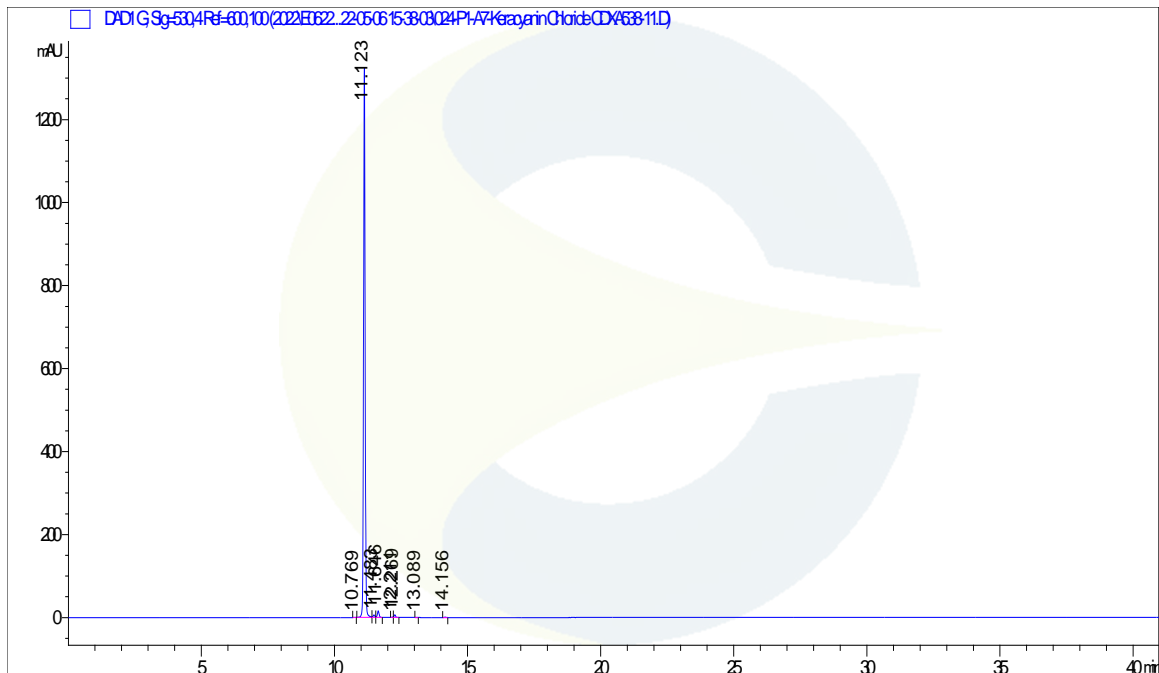
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ANALYTICAL CONDITIONS

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.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	1.0 µL
INJECTION CONC.	1.1 mg/mL in Methanol
DETECTION	530 ± 2 nm

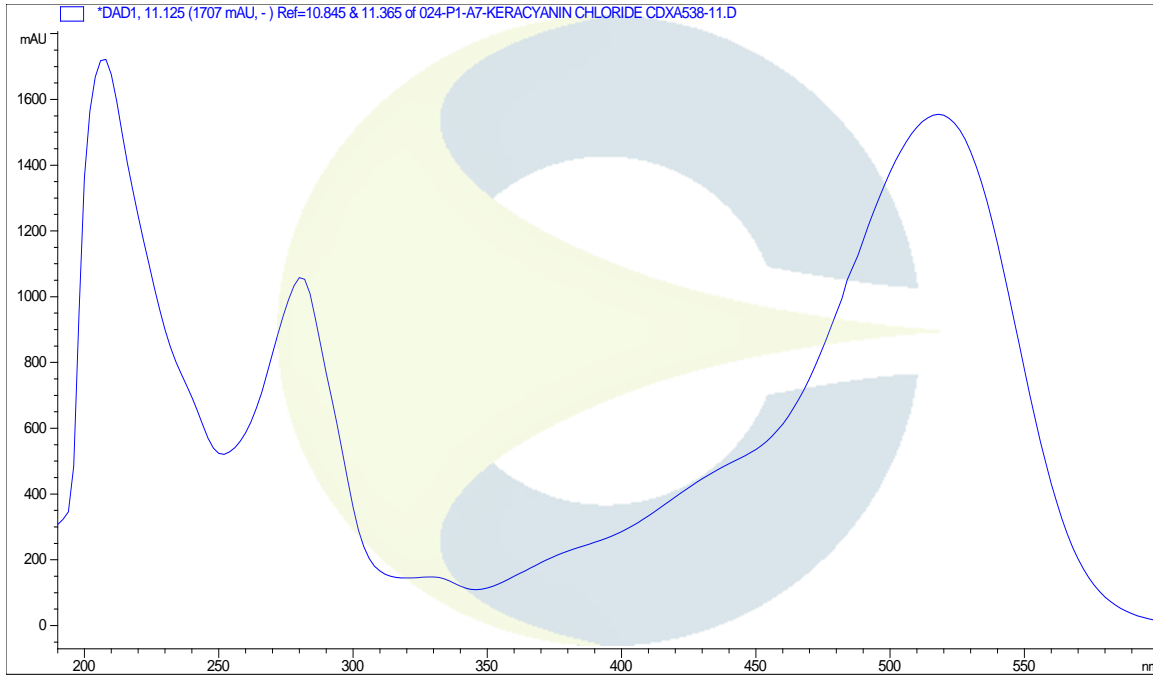
HPLC CHROMATOGRAM OF KERACYANIN CHLORIDE (CDXP-18-00546)



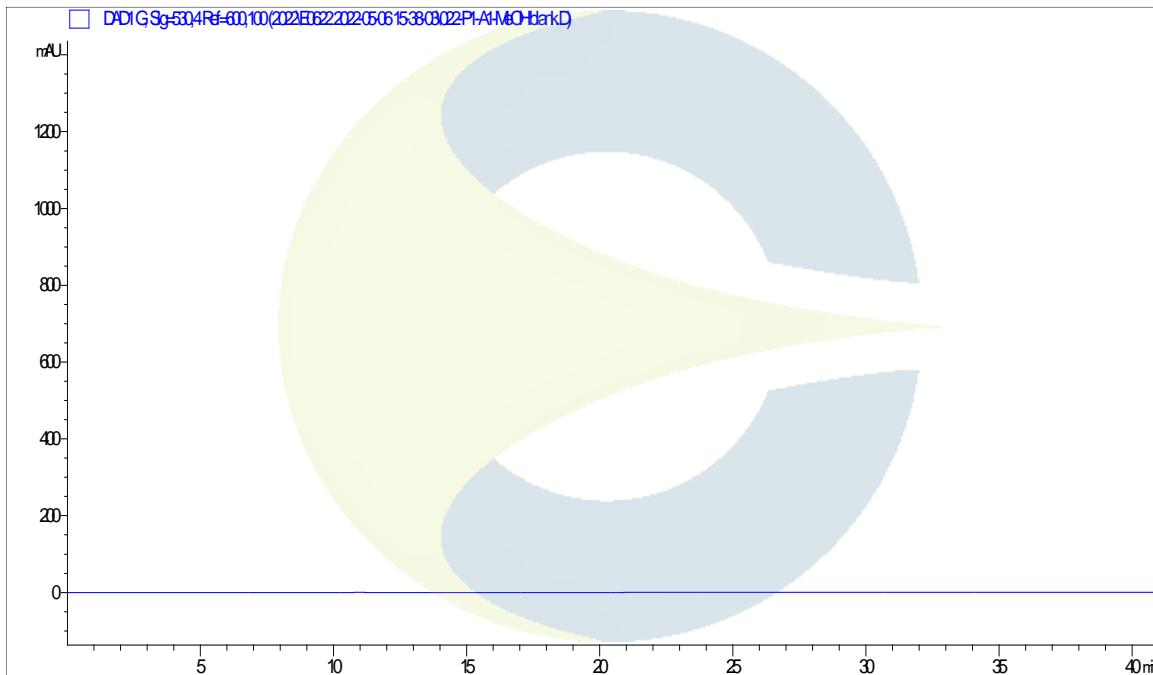
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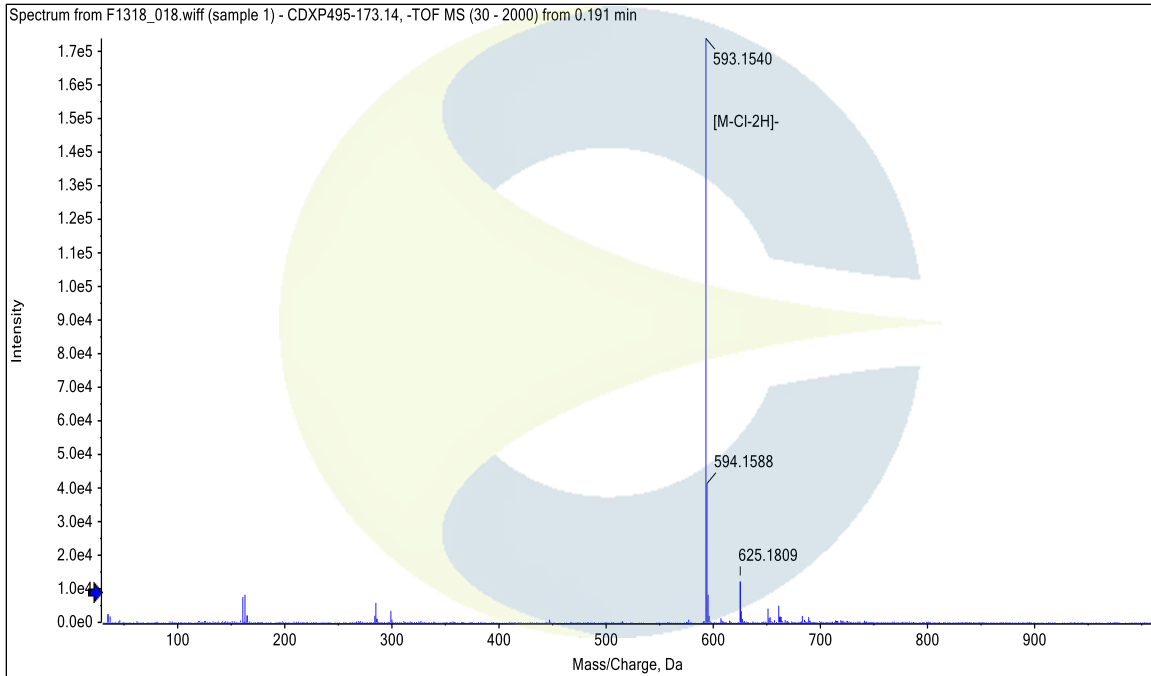
UV SPECTRUM AT RT = 11.1 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



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MASS SPECTRUM OF KERACYANIN CHLORIDE (CDXP-18-00546)

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	07/05/2018	New report
01	05/27/2022	Passed re-evaluation by HPLC. Updated expiration date and chromatograms.

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