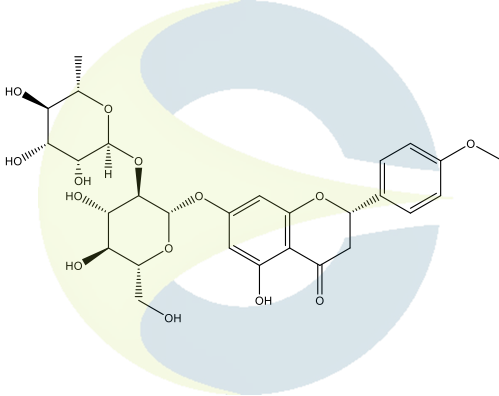


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<b>PRODUCT NAME</b>	Poncirin	<div style="text-align: center;"> <b>Structure</b>  </div>
<b>PART NUMBER</b>	00016990	
<b>STANDARD TYPE</b>	Analytical Standard (AS)	
<b>LOT NUMBER</b>	00016990-053	
<b>REPORT NUMBER</b>	CDXA-RSS-7744-02	
<b>SAMPLE NUMBER</b>	CDXP-17-00147	
<b>DATE OF SAMPLE</b>	11/06/2017	
<b>DATE OF RE-EVALUATION</b>	06/10/2022 (1 <sup>st</sup> )	
<b>DATE OF REPORT</b>	07/05/2022	

<b>CHEMICAL NAMES</b>	(2S)-7-[[2-O-(6-Deoxy- $\alpha$ -L-mannopyranosyl)- $\beta$ -D-glucopyranosyl]oxy]-2,3-dihydro-5-hydroxy-2-(4-methoxyphenyl)-4H-1-benzopyran-4-one; Citrifolioside; Poncerin
<b>CHEMICAL FORMULA</b>	C <sub>28</sub> H <sub>34</sub> O <sub>14</sub>
<b>MOLECULAR WEIGHT (MW)</b>	594.56
<b>CHEMICAL FAMILY</b>	Flavonoids
<b>CAS NUMBER</b>	[14941-08-3]
<b>EC#(EINECS)</b>	239-020-1
<b>RTECS</b>	DJ2979495

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH22	≥ 75%	91.9%
Mass Spectrum	99.1-CDXA-3.0-000126	Conforms	Conforms
Appearance	NA	NA	Yellow powder

**STORAGE CONDITIONS**

<b>STORAGE</b>	+4 °C in a dry place.
<b>EXPIRATION DATE</b>	06/2027 under the above conditions.

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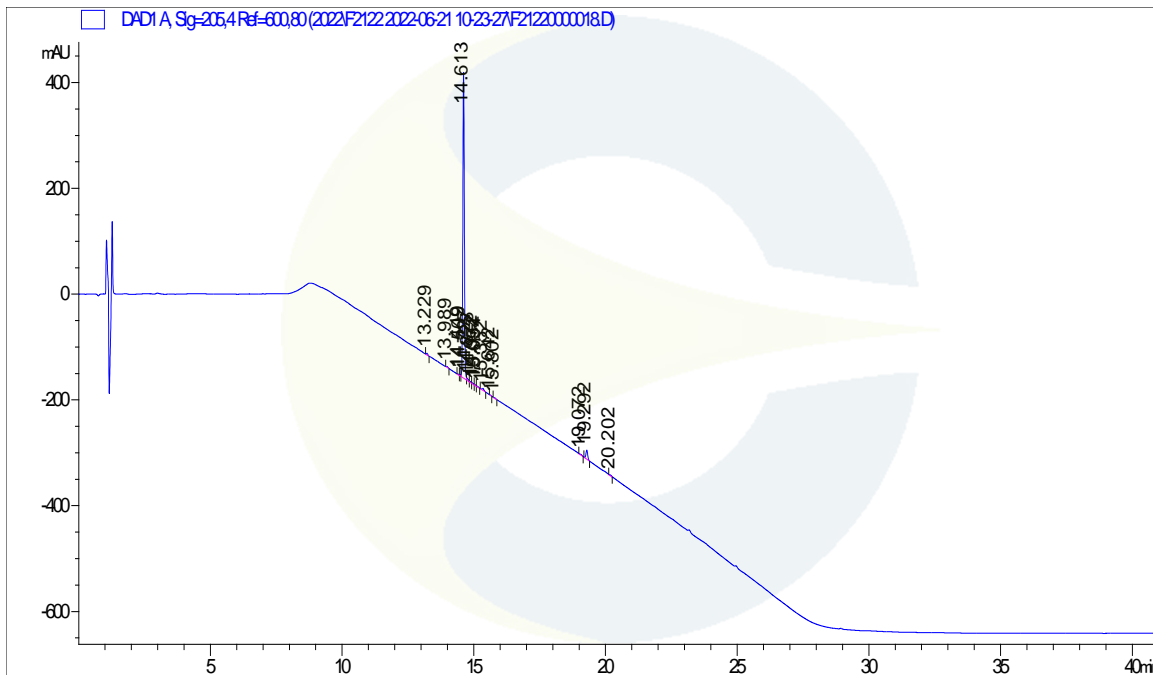
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## ANALYTICAL CONDITIONS

<b>INSTRUMENT</b>	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
<b>COLUMN</b>	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
<b>MOBILE PHASE</b>	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.
<b>COLUMN TEMP.</b>	60 °C
<b>FLOW RATE</b>	0.4 mL/minute
<b>INJECTION VOL.</b>	0.4 µL
<b>INJECTION CONC.</b>	1.0 mg/mL in Methanol
<b>DETECTION</b>	205 ± 2 nm

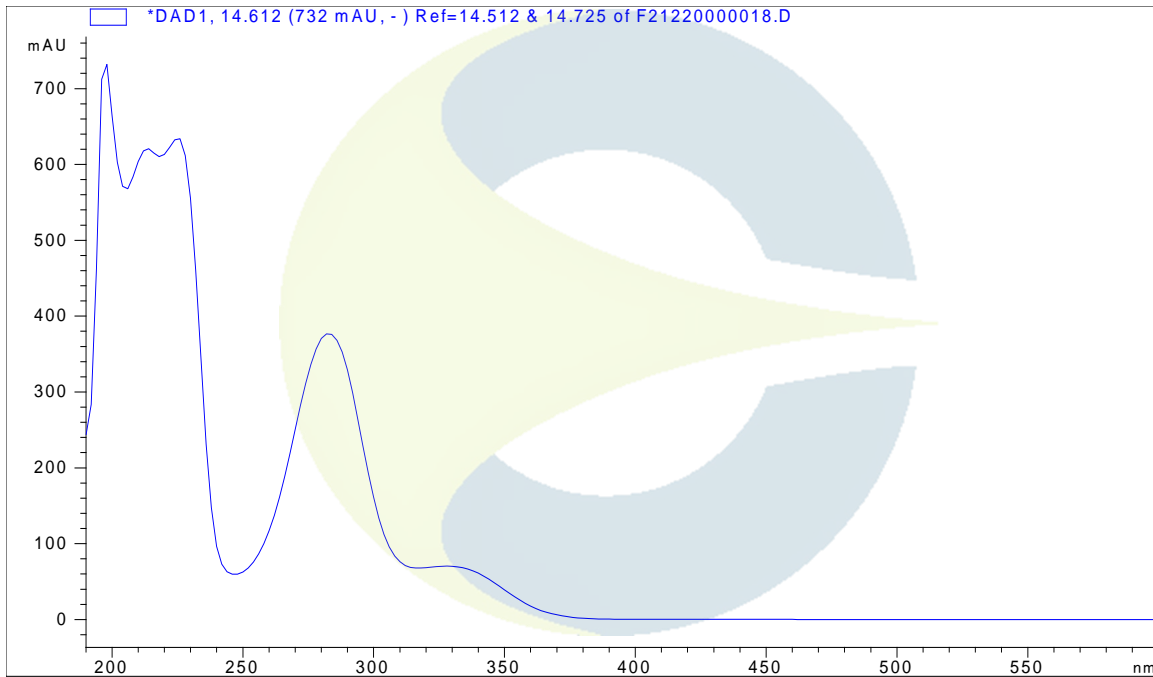
## HPLC CHROMATOGRAM OF PONCIRIN (CDXP-17-00147)



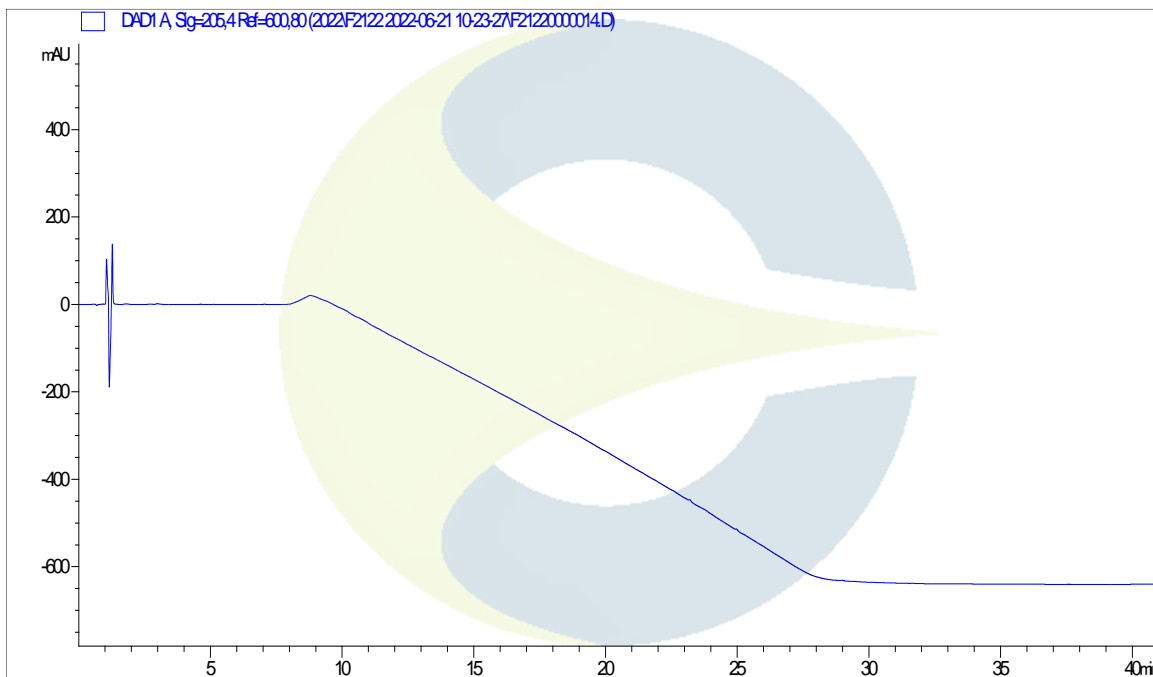
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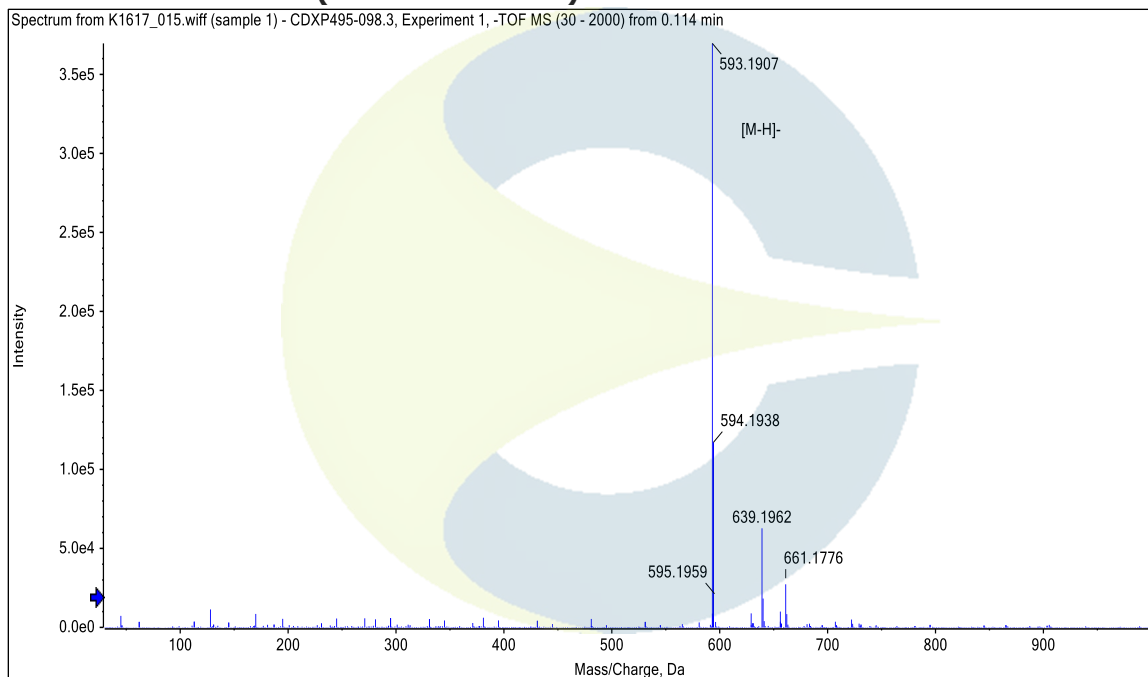
**UV SPECTRUM AT RT = 14.6 MINUTES**



**HPLC CHROMATOGRAM OF DILUENT BLANK**



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**MASS SPECTRUM OF PONCIRIN (CDXP-17-00147)**

**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	11/20/2017	New report
01	11/18/2019	Corrected and updated expiration date. Updated structure and added RTECS.
02	07/05/2022	Passed re-evaluation by HPLC. Updated analytical results, conditions, and chromatograms. Extended expiration date.

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