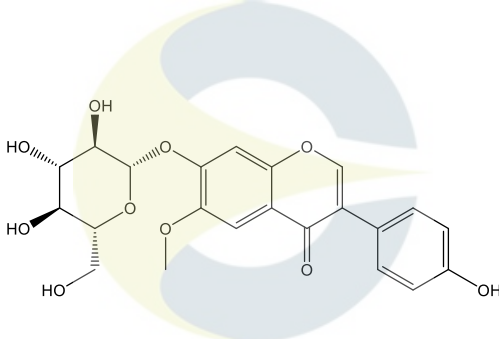


**Certificate of Analysis**
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<b>PRODUCT NAME</b>	Glycitin	<b>Structure</b> 
<b>PART NUMBER</b>	00007346	
<b>STANDARD TYPE</b>	Analytical Standard (AS)	
<b>LOT NUMBER</b>	00007346-112	
<b>REPORT NUMBER</b>	CDXA-RSS-7427-01	
<b>SAMPLE NUMBER</b>	CDXA-17-000988	
<b>DATE OF SAMPLE</b>	01/23/2017	
<b>DATE OF RE-EVALUATION</b>	01/13/2021	
<b>DATE OF REPORT</b>	02/16/2021	

<b>CHEMICAL NAMES</b>	Glycitein 7-O-glucoside; 7-(β-D-glucopyranosyloxy)-3-(4-hydroxyphenyl)-6-methoxy-4H-1-Benzopyran-4-one
<b>CHEMICAL FORMULA</b>	C <sub>22</sub> H <sub>22</sub> O <sub>10</sub>
<b>MOLECULAR WEIGHT (MW)</b>	446.40
<b>CHEMICAL FAMILY</b>	Isoflavones
<b>CAS NUMBER</b>	[40246-10-4]
<b>EC#(EINECS)</b>	NA
<b>RTECS</b>	NA

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH22	≥ 75%	95.8%
Mass Spectrum	99.1-CDXA-2.0-000126	Conforms	Conforms
Appearance	NA	NA	White powder

**STORAGE CONDITIONS**

<b>STORAGE</b>	-20 °C in a dry place.
<b>EXPIRATION DATE</b>	01/2026 under the above conditions.

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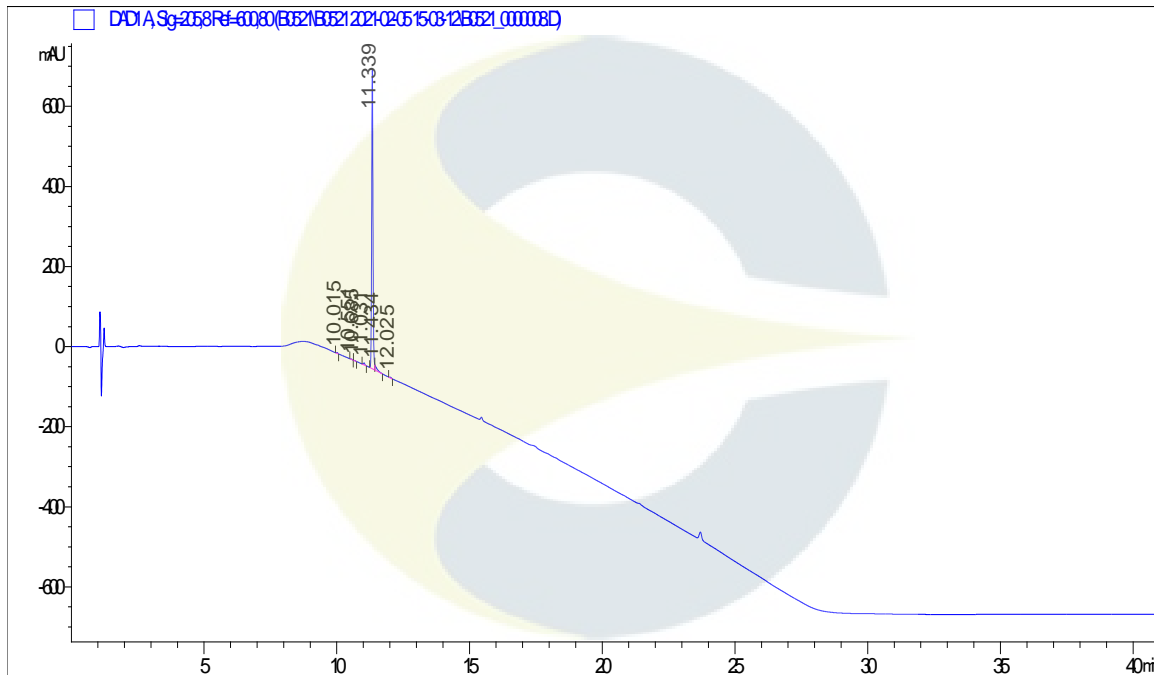
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## ANALYTICAL CONDITIONS

<b>INSTRUMENT</b>	AGILENT 1260 HPLC UV-VIS (DAD); AGILENT 6510 QTOF
<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.
<b>COLUMN TEMP.</b>	60 °C
<b>FLOW RATE</b>	0.4 mL/minute
<b>INJECTION VOL.</b>	0.2 µL
<b>INJECTION CONC.</b>	1.2 mg/mL in Methanol
<b>DETECTION</b>	205 ± 4 nm

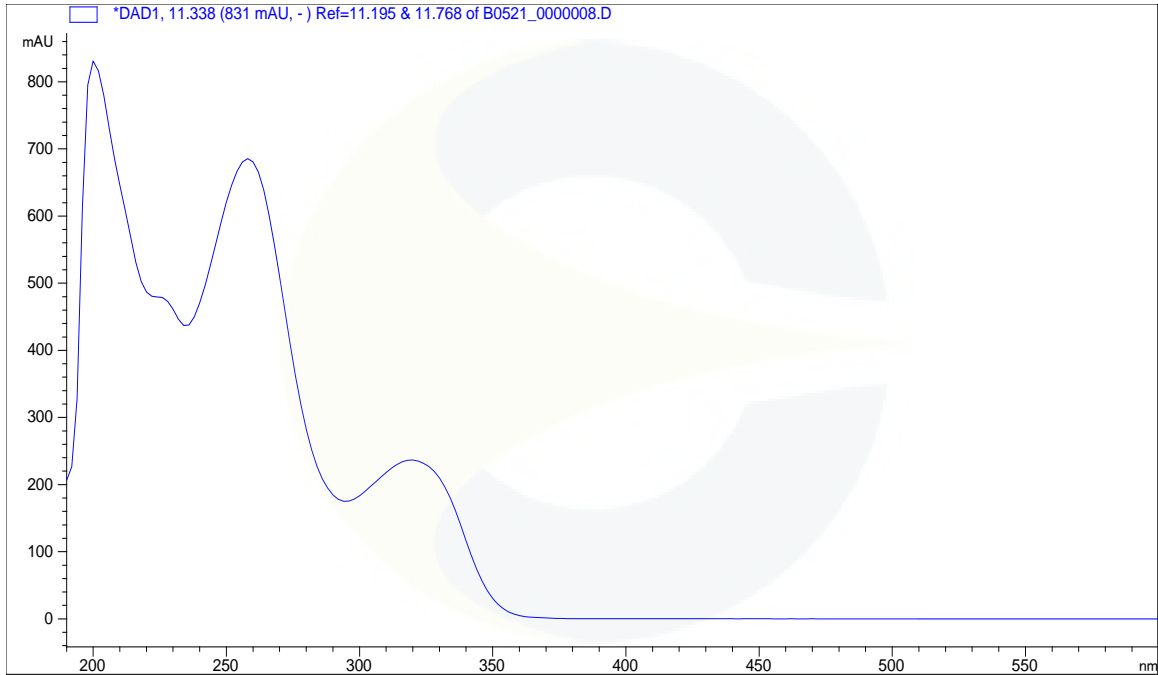
## HPLC CHROMATOGRAM OF GLYCITIN (CDXA-17-000988)



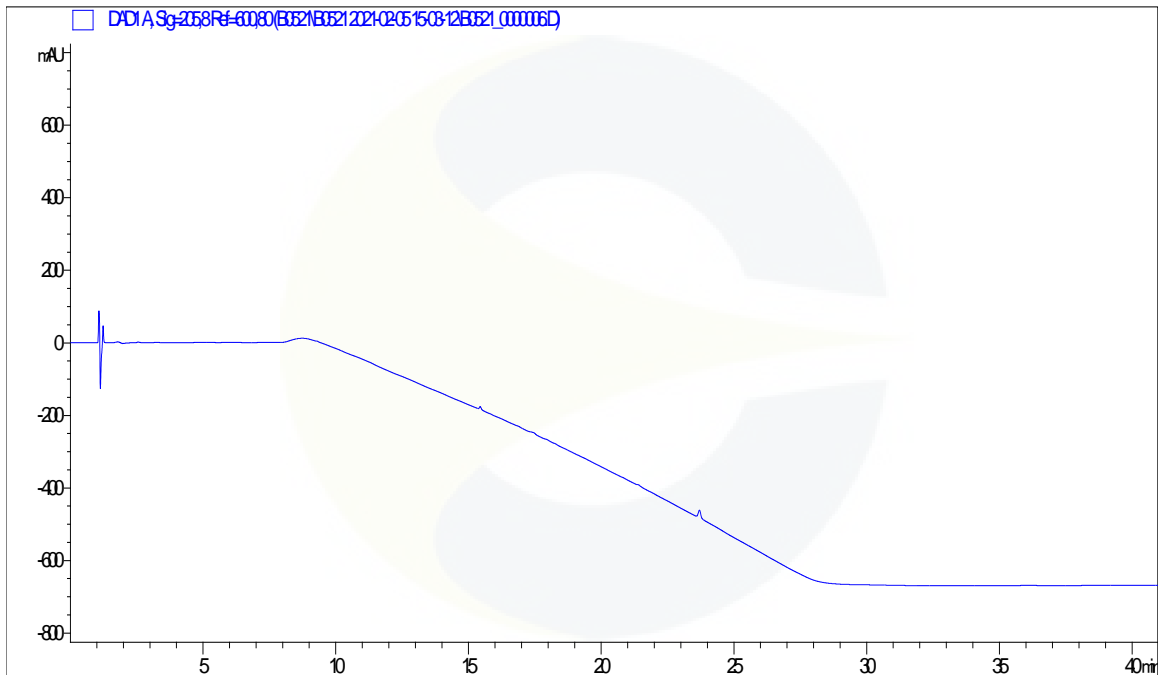
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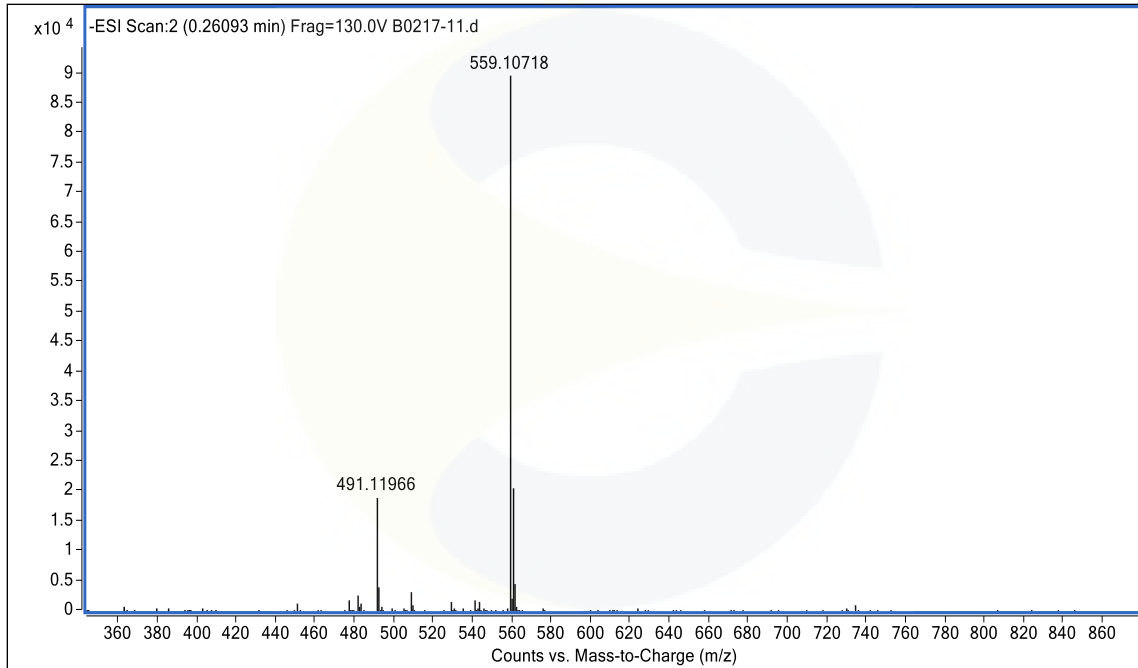
### UV SPECTRUM AT RT = 11.3 MINUTES



### HPLC CHROMATOGRAM OF DILUENT BLANK



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**MASS SPECTRUM OF GLYCITIN (CDXA-17-000988)**

**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	02/27/2017	New report
01	02/16/2021	Passed re-evaluation by HPLC. Updated expiration date, analytical conditions, chromatograms, and results. Removed melting point.

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