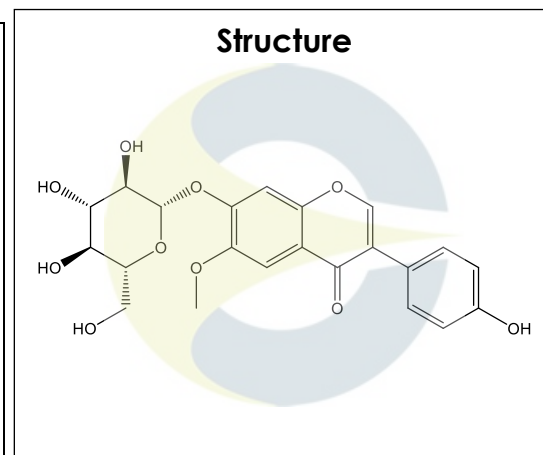


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PRODUCT NAME	Glycitin
PART NUMBER	00007347
STANDARD TYPE	Primary (P)
LOT NUMBER	00007347-145
REPORT NUMBER	CDXA-RSS-9064-00
SAMPLE NUMBER	CDXP-20-00437
DATE OF SAMPLE	06/18/2020
DATE OF REPORT	07/27/2020



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

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	NA	93.2%
HPLC	0.700.10.2.METH22	NA	97.9%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	Methanol – 0.1% N,N-Dimethylformamide – 0.1%
Water	0.700.12.37	NA	4.6%
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 93.2% IS BASED ON (100 - 0.2 SOLVENTS - 4.6 WATER) X 97.9% HPLC

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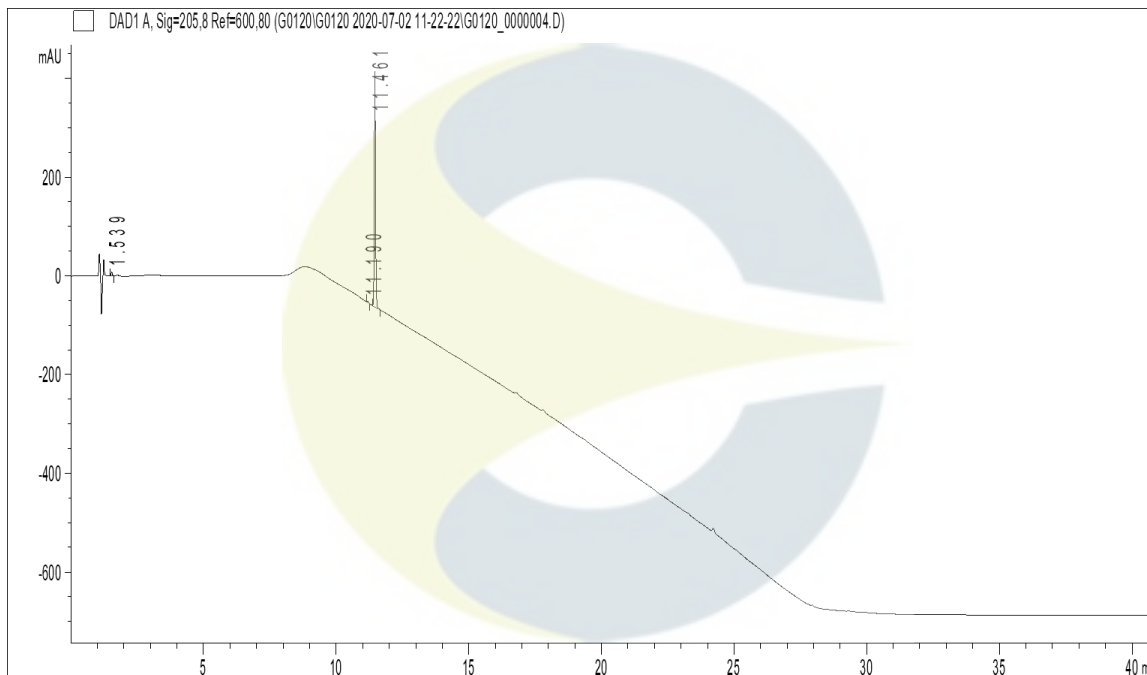
STORAGE CONDITIONS

STORAGE -20 °C in a dry place.
EXPIRATION DATE 06/2025 under the above conditions.

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. 0.1 µL
INJECTION CONC. 1.4 mg/mL in Methanol
DETECTION 205 ± 4 nm

HPLC CHROMATOGRAM OF GLYCITIN (CDXP-20-00437)

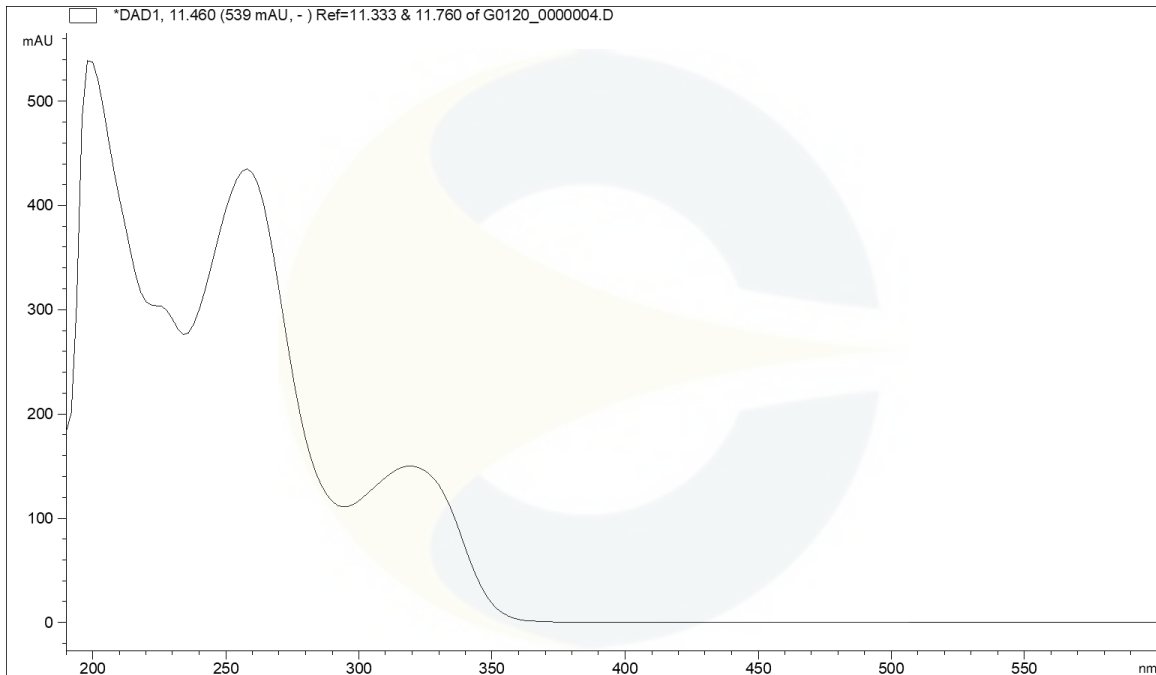


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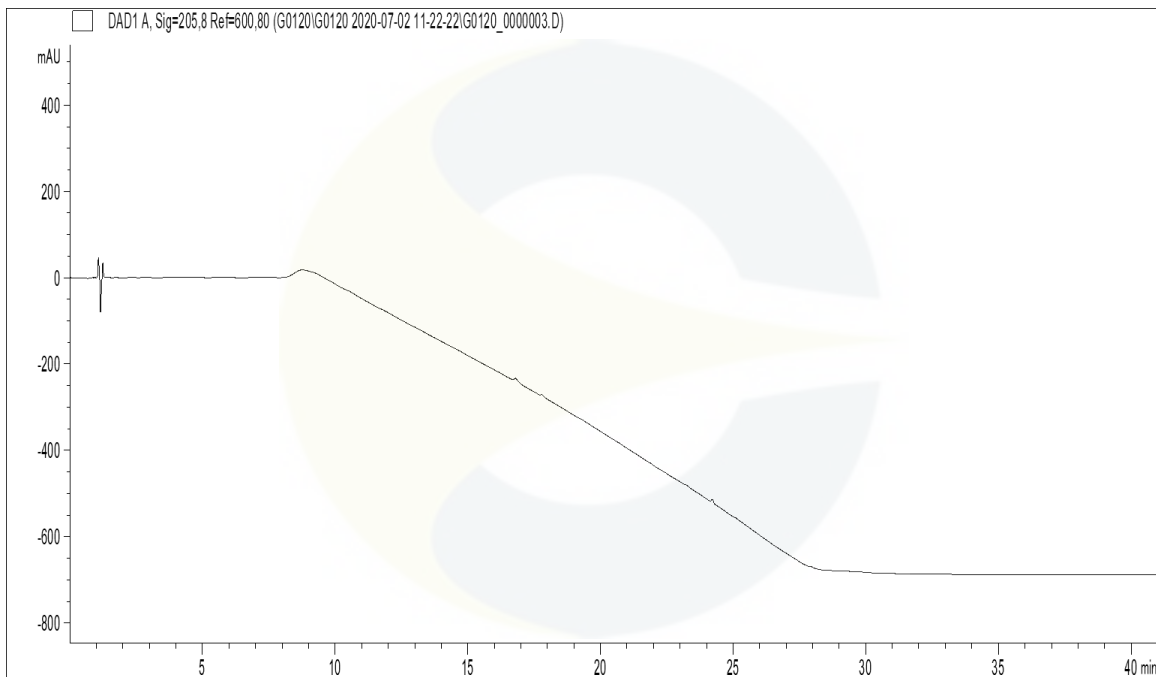
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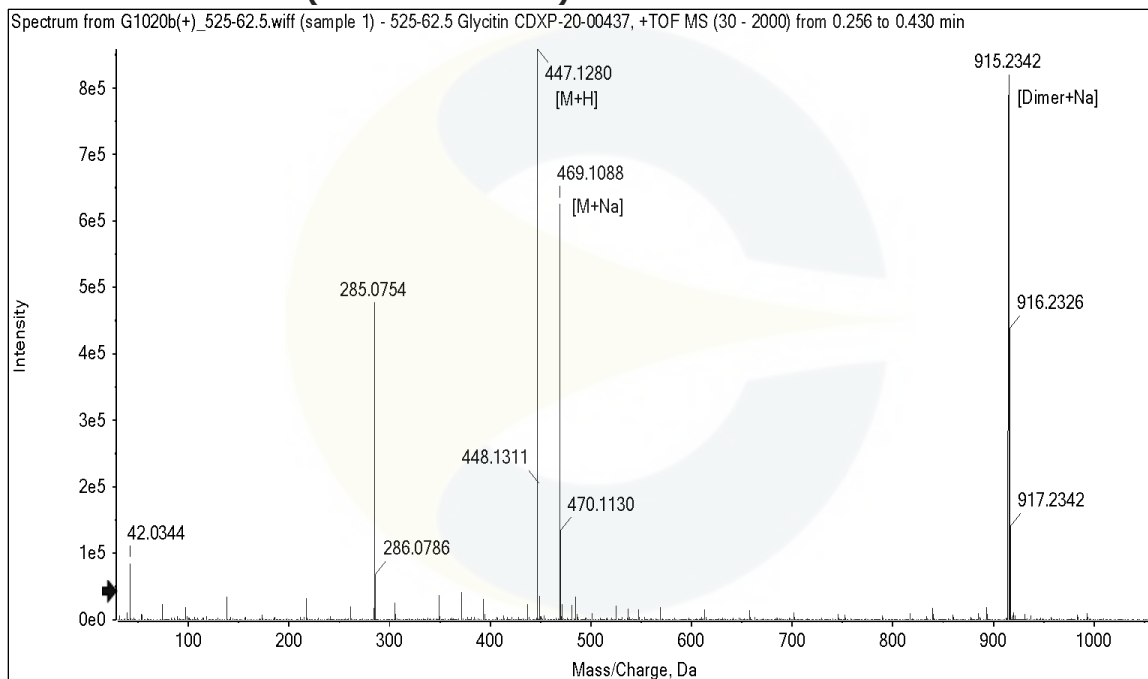
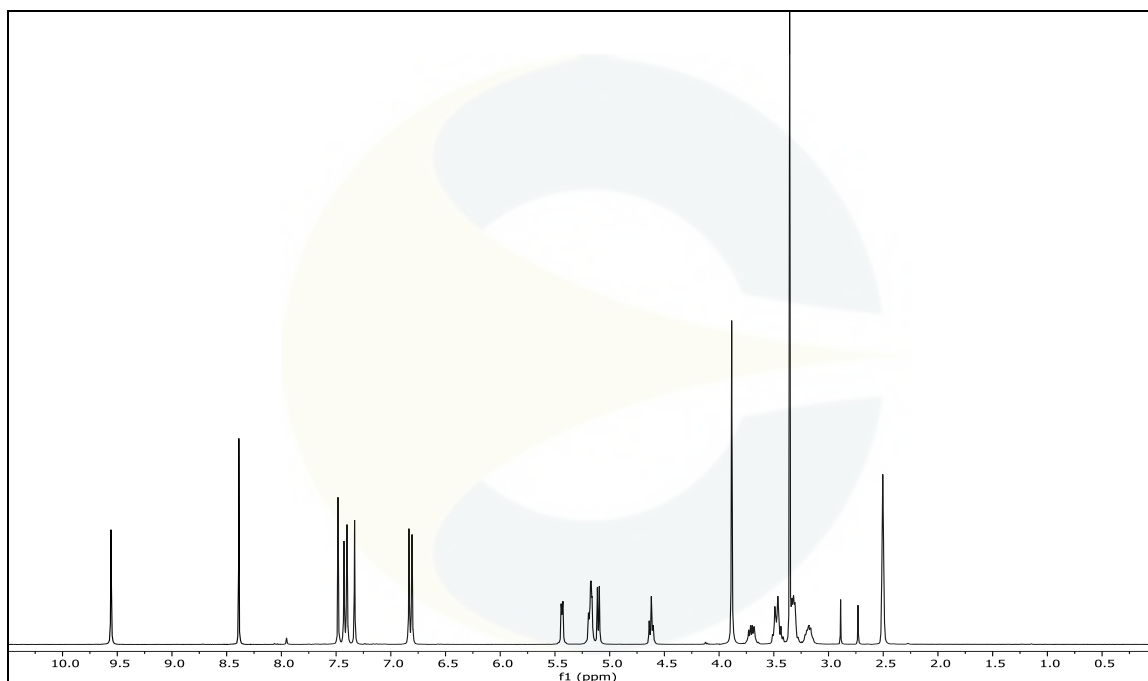
UV SPECTRUM AT RT 11.5 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



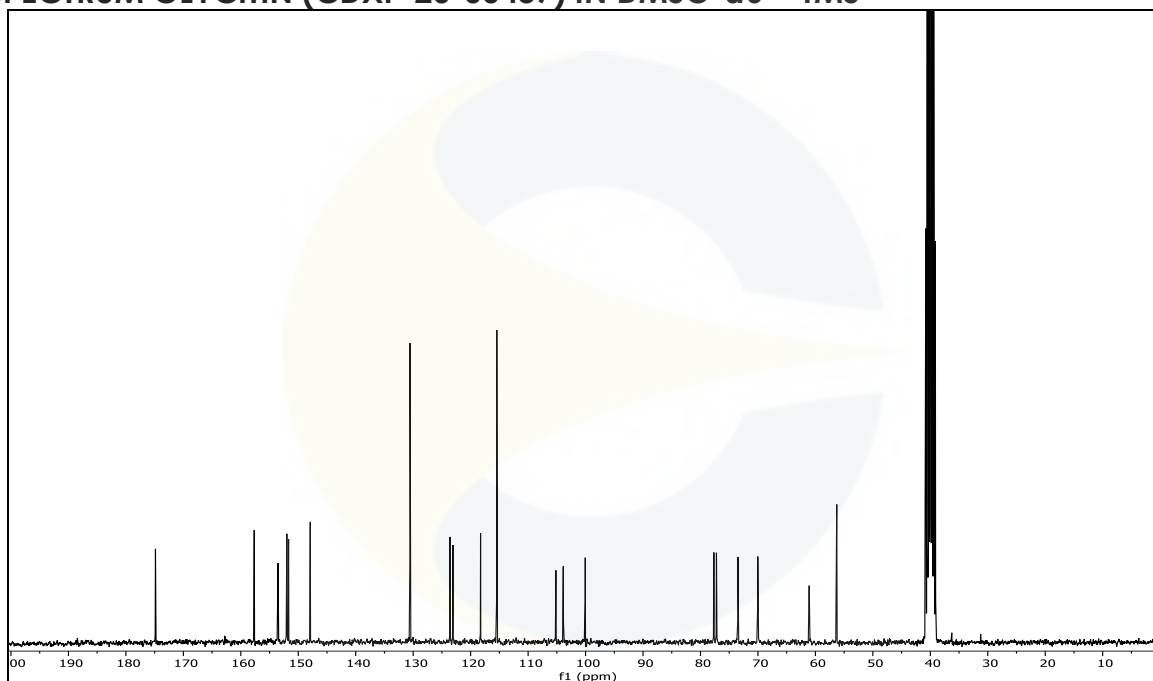
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MASS SPECTRUM OF GLYCITIN (CDXP-20-00437)

¹H-NMR SPECTRUM OF GLYCITIN (CDXP-20-00437) in DMSO-d₆ + TMS


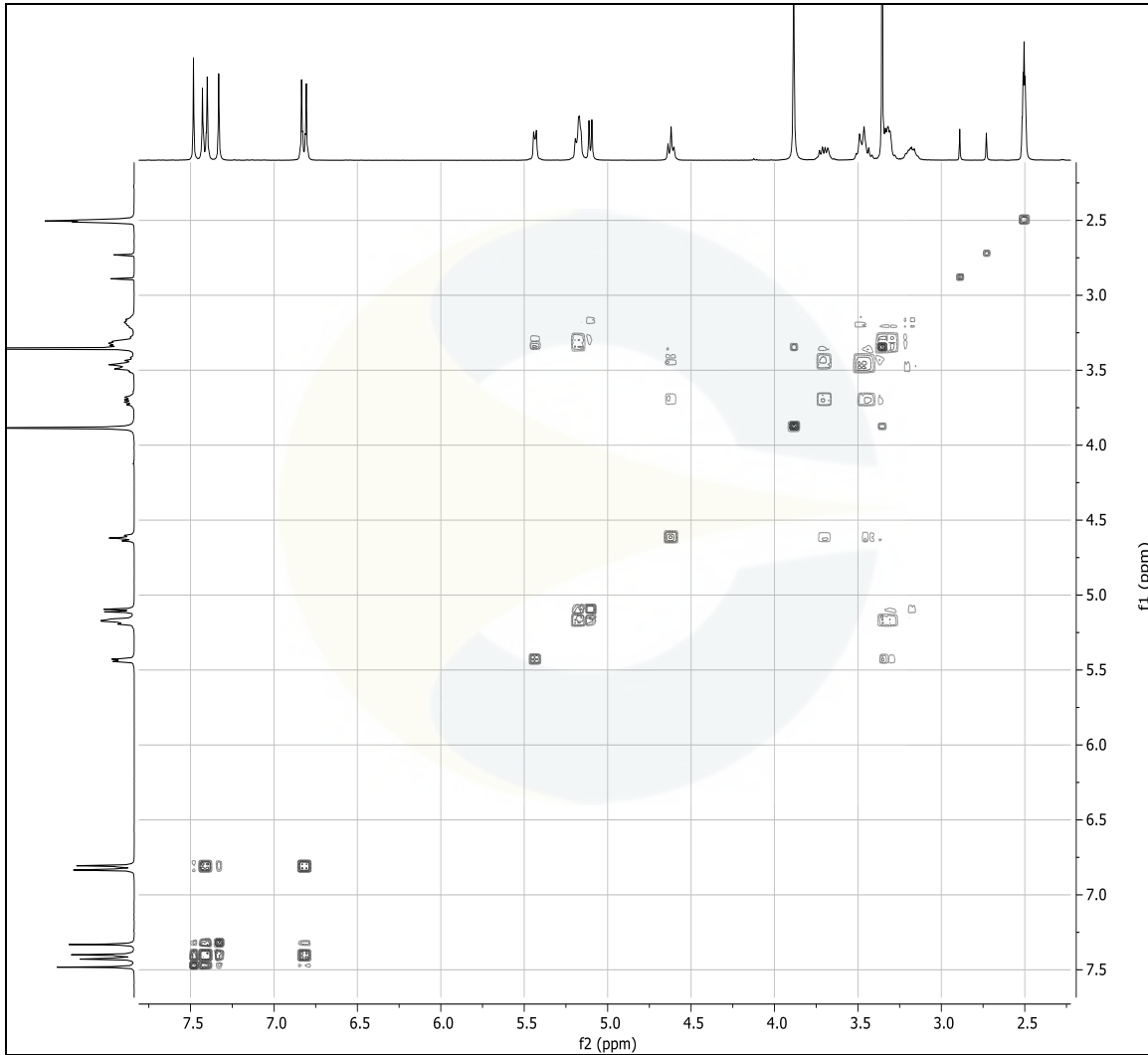
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¹³C-NMR SPECTRUM GLYCITIN (CDXP-20-00437) IN DMSO-d₆ + TMS

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COSY-NMR SPECTRUM OF GLYCITIN (CDXP-20-00437) IN DMSO-d6 + TMS

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	07/27/2020	New report

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