





Certificate of Analysis

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PRODUCT NAME Wogonin

PART NUMBER 00023510

STANDARD TYPE Primary (P)

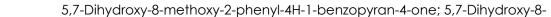
LOT NUMBER 00023510-01A

REPORT NUMBER CDXA-RSS-9466-00

SAMPLE NUMBER CDXP-21-00558

DATE OF SAMPLE 08/10/2021

DATE OF REPORT 09/08/2021



methoxyflavone

CHEMICAL FORMULA C₁₆H₁₂O₅

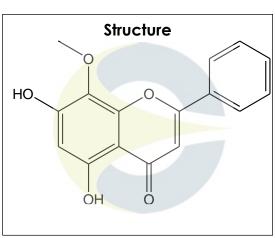
MOLECULAR WEIGHT (MW) 284.26

CHEMICAL FAMILY Flavonoids

CAS NUMBER [632-85-9]

EC#(EINECS) NA

RTECS LK8331000



ANALYTICAL RESULTS

CHEMICAL NAMES

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	95.6%
HPLC	0.700.10.2.METH22	≥ 90%	99.0%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	Acetone – 7120 ppm
Water	0.700.12.37	NA	2.7%
Appearance	NA	NA	Yellow Powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 95.6% IS BASED ON (100 - 0.7 SOLVENTS - 2.7 WATER) X 99.0% HPLC

STORAGE CONDITIONS

STORAGE +4 °C in a dry place.

EXPIRATION DATE 08/2026 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

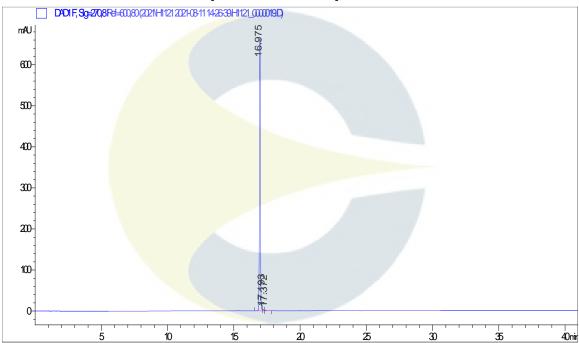
FLOW RATE 0.4 mL/minute

INJECTION VOL. 0.2 μL

INJECTION CONC. 1.1 mg/mL in Methanol

DETECTION $270 \pm 4 \text{ nm}$

HPLC CHROMATOGRAM OF WOGONIN (CDXP-21-00558)





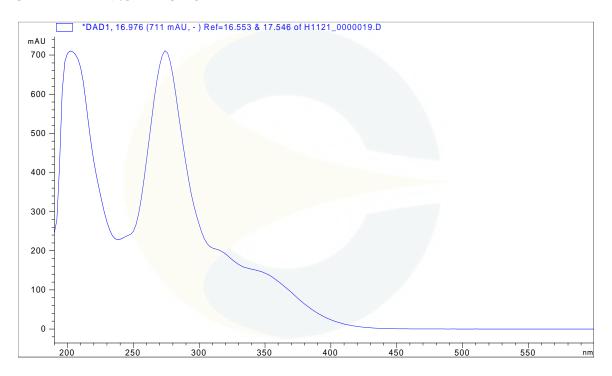




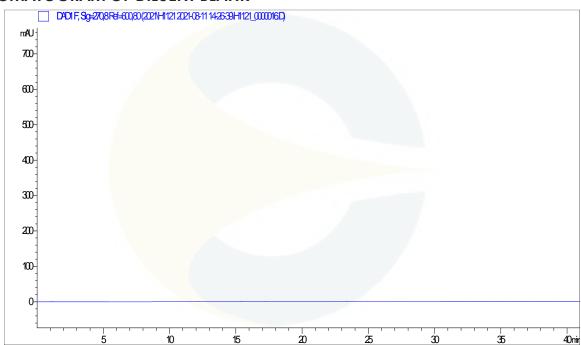
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UV SPECTRUM AT RT = 17.0 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK





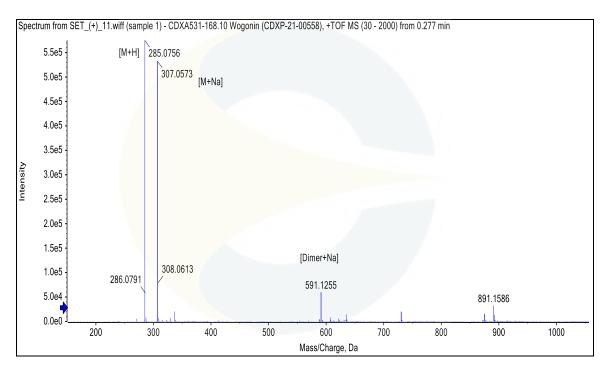




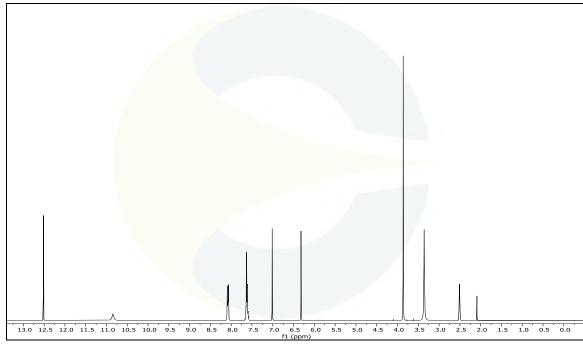
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MASS SPECTRUM OF WOGONIN (CDXP-21-00558)



¹H-NMR SPECTRUM OF WOGONIN (CDXP-21-00558) IN DMSO-d₆



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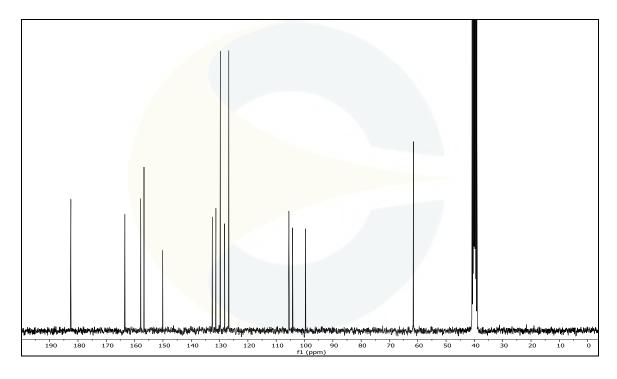




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13C-NMR SPECTRUM WOGONIN (CDXP-21-00558) IN DMSO-d6



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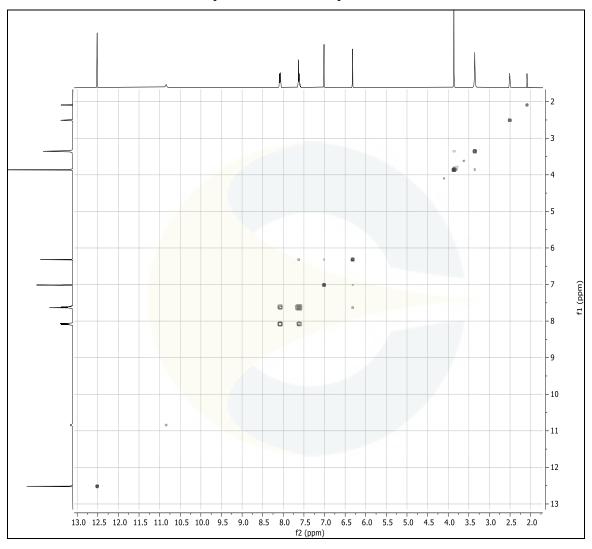




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COSY-NMR SPECTRUM OF WOGONIN (CDXP-21-00558) IN DMSO-d6



REVISION HISTORY

Revision History	Date of Revision	Document/Changes

00 09/08/2021 New report