





Certificate of Analysis

For Laboratory Use Only

PRODUCT NAME 3-Deacetylsalannin

PART NUMBER 00004074

STANDARD TYPE Primary (P)

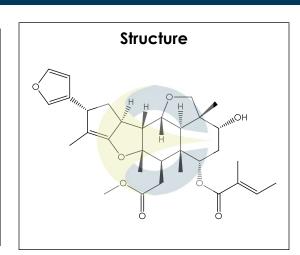
LOT NUMBER 00004074-0154

REPORT NUMBER CDXA-RSS-8881-00

SAMPLE NUMBER CDXP-20-00154

DATE OF SAMPLE 03/16/2020

DATE OF REPORT 04/17/2020



CHEMICAL NAMES Deacetylsalannin; Desacetylsalannin

CHEMICAL FORMULA C₃₂H₄₂O₈

MOLECULAR WEIGHT (MW) 554.67

CHEMICAL FAMILY Triterpenoids

CAS NUMBER [1110-56-1]

EC#(EINECS) NA

RTECS NA

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	NA	98.4%
HPLC	0.700.10.2.METH22	NA	99.5%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	Ethyl acetate – 0.7% Dichloromethane – 0.4%
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 98.4% IS BASED ON (100 - 1.1 SOLVENTS - 0.0 WATER) X 99.5% HPLC

STORAGE CONDITIONS

STORAGE -20 °C in a dry place.

EXPIRATION DATE 03/2025 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

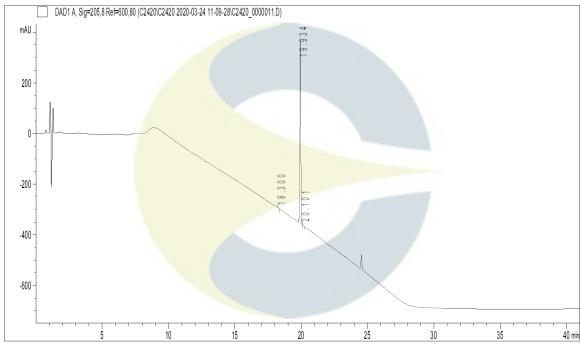
FLOW RATE 0.4 mL/minute

INJECTION VOL. $0.5 \mu L$

INJECTION CONC. 1.3 mg/mL in Methanol

DETECTION $205 \pm 4 \text{ nm}$

HPLC CHROMATOGRAM OF 3-DEACETYLSALANNIN (CDXP-20-00154)





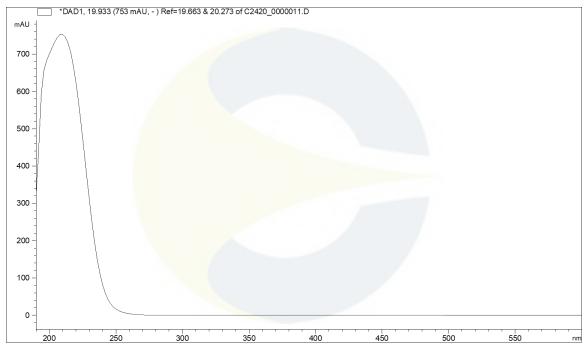




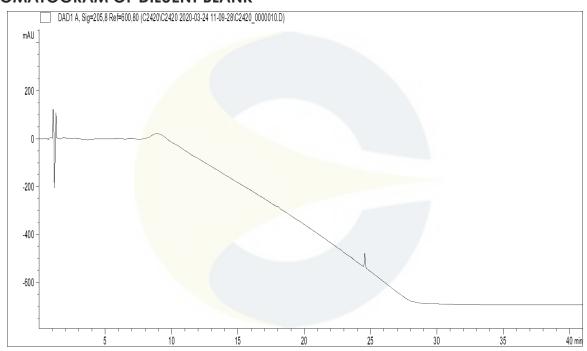
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UV SPECTRUM AT RT = 19.9 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK





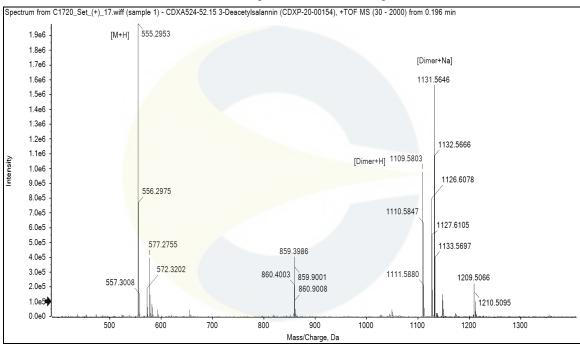




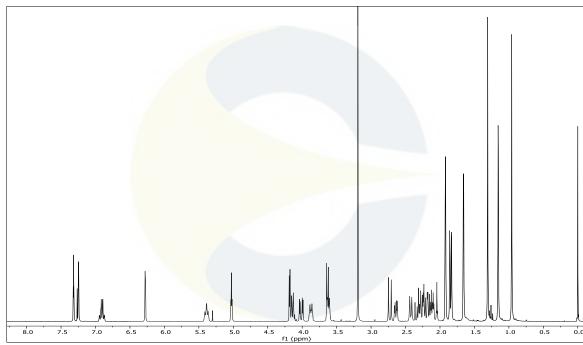
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MASS SPECTRUM OF 3-DEACETYLSALANNIN (CDXP-20-00154)



¹H-NMR SPECTRUM OF 3-DEACETYLSALANNIN (CDXP-20-00154) in CDCl₃ + TMS





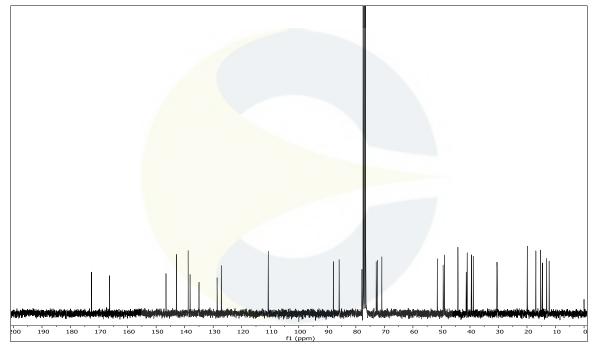




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¹³C-NMR SPECTRUM 3-DEACETYLSALANNIN (CDXP-20-00154) IN CDCI₃ + TMS





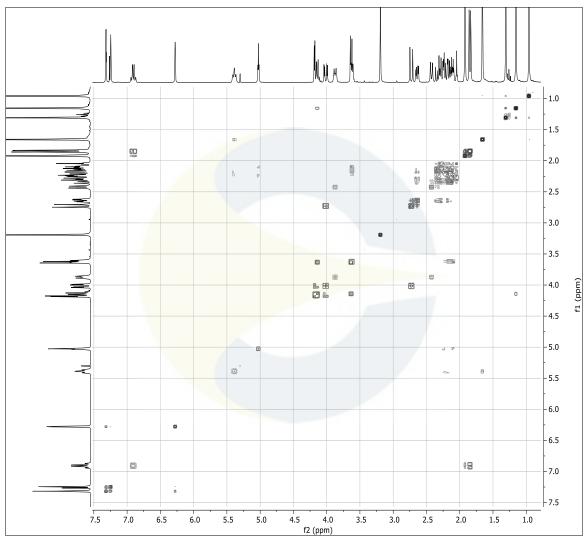




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COSY-NMR SPECTRUM OF 3-DEACETYLSALANNIN (CDXP-20-00154) IN CDCI₃ + TMS



REVISION HISTORY

Revision History	<u>Date of Revision</u>	Document/Changes
00	04/17/2020	New report