





SPECIMEN

Certificate of Analysis

For Laboratory Use Only

PRODUCT NAME Catalpol

PART NUMBER 00003274

STANDARD TYPE Analytical Standard (AS)

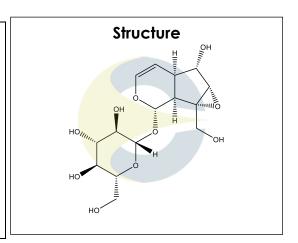
LOT NUMBER 00003274-201

REPORT NUMBER CDXA-RSS-8654-00

SAMPLE NUMBER CDXP-19-00507

DATE OF SAMPLE 08/28/2019

DATE OF REPORT 10/02/2019



(1aS,1bS,2S,5aR,6S,6aS)-1a,1b,2,5a,6,6a-Hexahydro-6-hydroxy-1a-CHEMICAL NAMES

(hydroxymethyl)oxireno(4,5)cyclopenta(1,2-c)pyran-2-yl-β-D-glucopyranoside;

Catalpinoside; De(p-hydroxybenzoyl)catalposide

CHEMICAL FORMULA C₁₅H₂₂O₁₀

MOLECULAR WEIGHT (MW) 362.33

CHEMICAL FAMILY Iridoids

CAS NUMBER [2415-24-9]

EC#(EINECS) 219-324-0

RTECS LZ5776816

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	CDXA-CPM-087-00	NA	98.4%
Mass Spectrum	0.700.12.27 Ver 4	Conforms	Conforms
Appearance	NA	NA	White Powder

STORAGE CONDITIONS

STORAGE +4 °C in a dry place.

08/2024 under the above conditions. **EXPIRATION DATE**

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ANALYTICAL CONDITIONS

INSTRUMENT AGILENT 1260 HPLC UV-VIS (DAD);

AB-SCIEX 6600 TRIPLE TOF

COLUMN Phenomenex Synergi Hydro-RP – 250 x 4.6 mm, 4 µm particle size

MOBILE PHASE A - Ultrapure water, B - Acetonitrile;

Isocratic 3% B for 3 minutes, then increasing to 20% B over 15 minutes. Hold at

20% B for 2 minutes, then decreasing to 3% B over 1 minute

30 °C **COLUMN TEMP.**

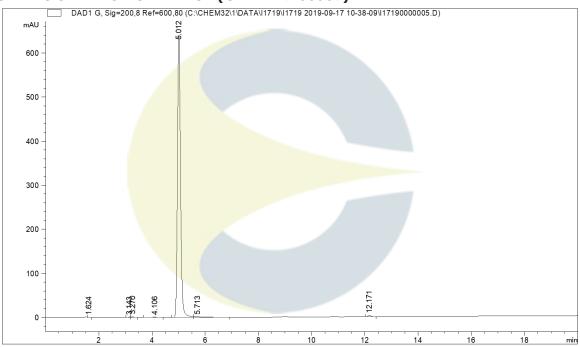
FLOW RATE 1.0 mL/minute

INJECTION VOL. 5.0 µL

INJECTION CONC. 1.3 mg/mL in Ultrapure water

DETECTION $200 \pm 4 \text{ nm}$

HPLC CHROMATOGRAM OF CATALPOL (CDXP-19-00507)



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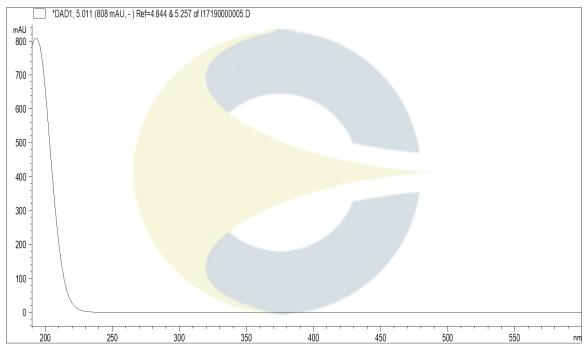


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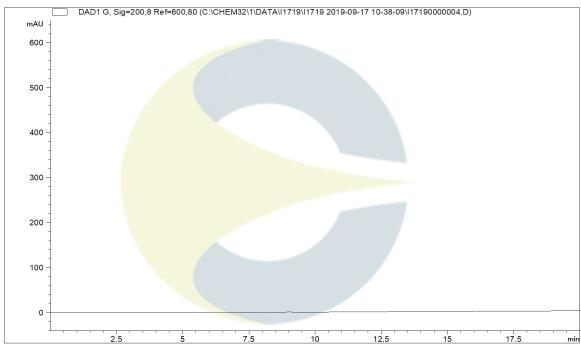
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UV SPECTRUM AT RT = 5.0 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



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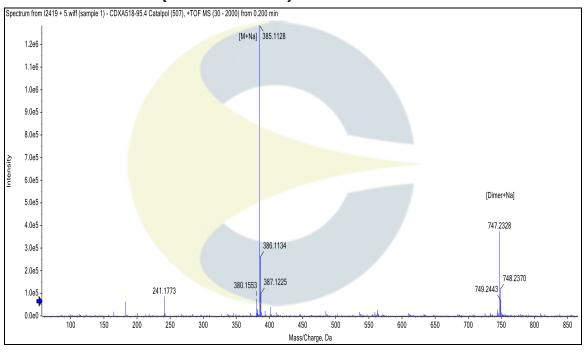


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MASS SPECTRUM OF CATALPOL (CDXP-19-00507)



REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	Document/Changes
00	10/02/2019	New report

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