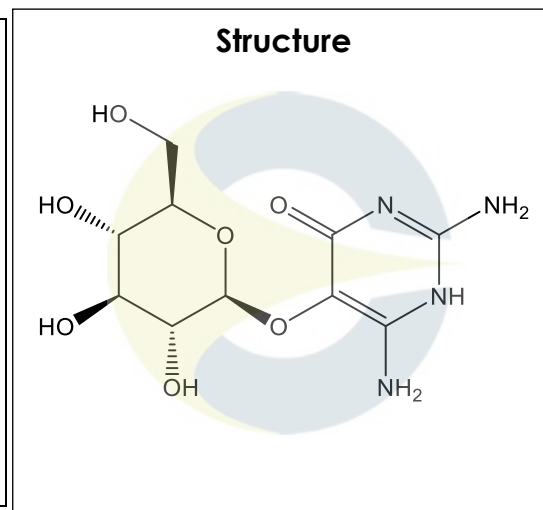


**Certificate of Analysis**

For Laboratory Use Only

<b>PRODUCT NAME</b>	Vicine
<b>PART NUMBER</b>	00022516
<b>STANDARD TYPE</b>	Analytical Standard (AS)
<b>LOT NUMBER</b>	00022516-H126
<b>REPORT NUMBER</b>	CDXA-RSS-6523-01
<b>SAMPLE NUMBER</b>	CDXA-15-1303
<b>DATE OF SAMPLE</b>	02/13/2015
<b>DATE OF RE-EVALUATION</b>	02/19/2021
<b>DATE OF REPORT</b>	03/30/2021



<b>CHEMICAL NAMES</b>	2,6-Diamino-5-(β-D-glucopyranosyloxy)-4(1H)-pyrimidinone; Divicine β-D-glucopyranoside; Vicioside
<b>CHEMICAL FORMULA</b>	C <sub>10</sub> H <sub>16</sub> N <sub>4</sub> O <sub>7</sub>
<b>MOLECULAR WEIGHT (MW)</b>	304.26
<b>CHEMICAL FAMILY</b>	Alkaloids
<b>CAS NUMBER</b>	[152-93-2]
<b>EC#(EINECS)</b>	205-809-4
<b>RTECS</b>	N/A

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
HPLC	See below	≥ 75%	99.2%
Mass Spectrum	Direct Inject – ESI (-)	Conforms	Conforms
Appearance	NA	NA	White powder

**STORAGE CONDITIONS**

<b>STORAGE</b>	Room Temperature in a dry place.
<b>EXPIRATION DATE</b>	02/2026 under the above conditions.

This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.

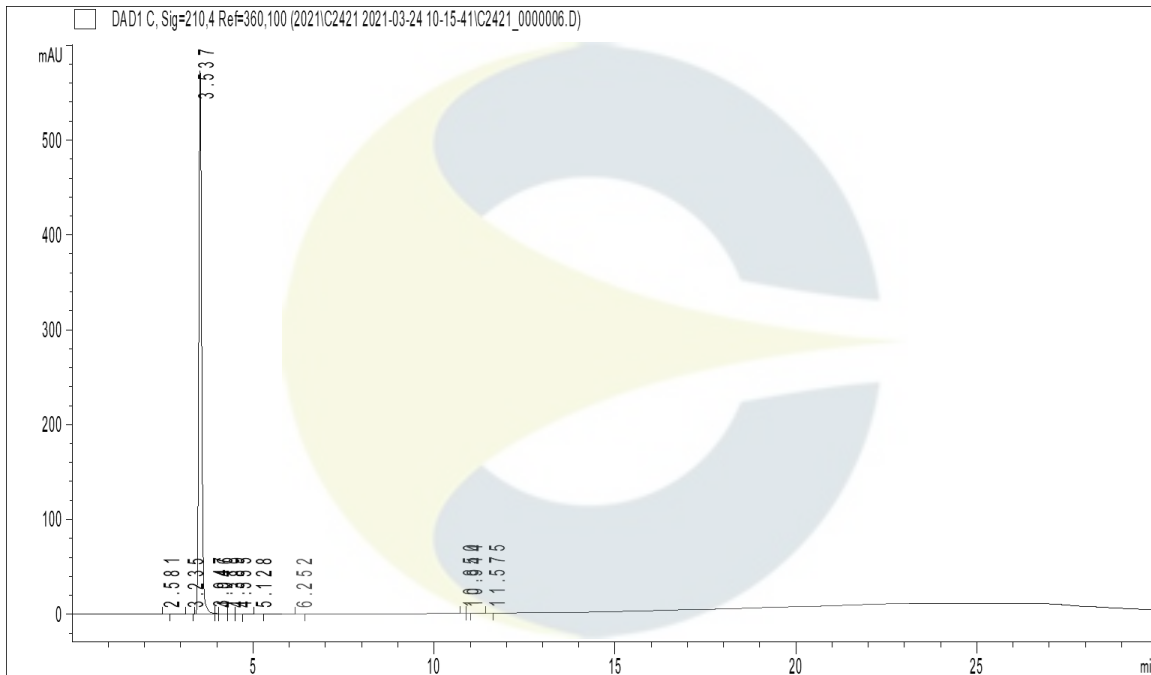
# Certificate of Analysis

*For Laboratory Use Only*

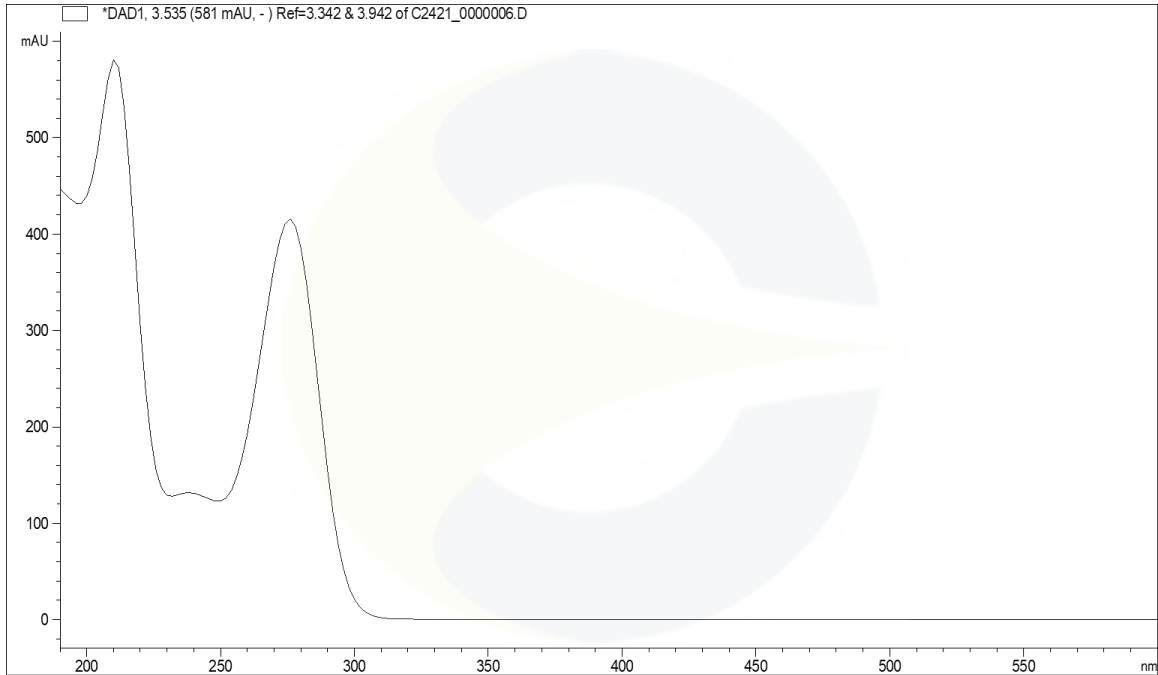
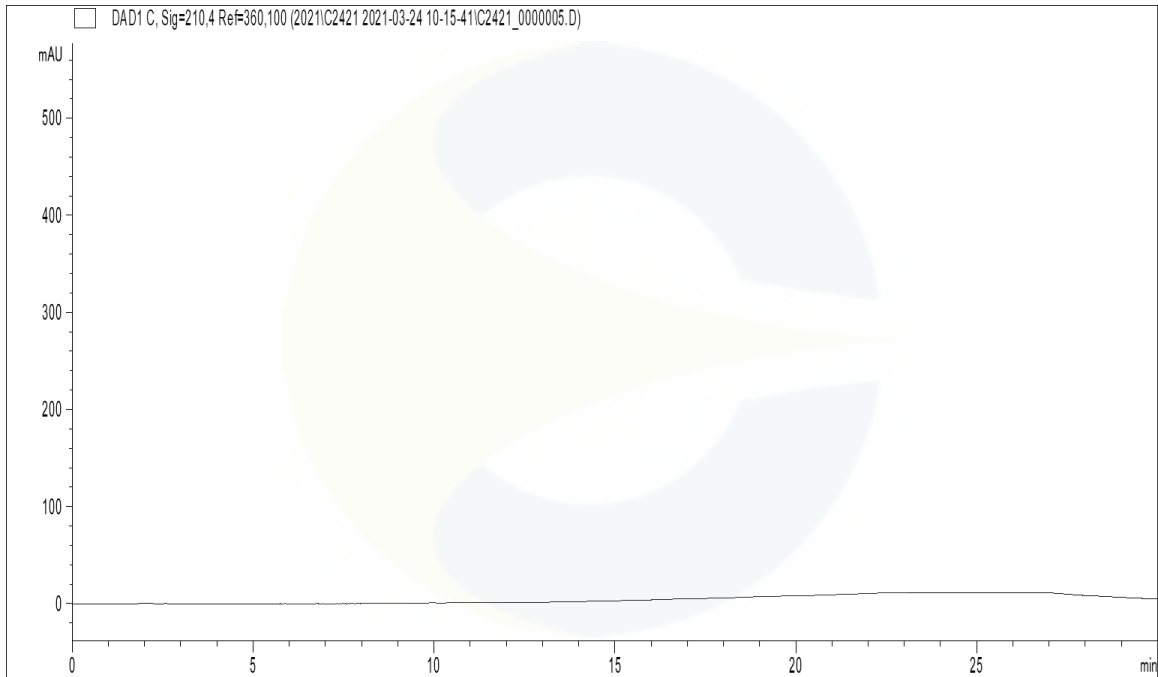
## ANALYTICAL CONDITIONS

<b>INSTRUMENT</b>	AGILENT 1260 HPLC UV-VIS (DAD); AGILENT 6510 QTOF
<b>COLUMN</b>	Phenomenex Synergi Hydro-RP, 250 x 4.6 mm, 4 µm particle size
<b>MOBILE PHASE</b>	A – 10 mM Potassium monophosphate (Aq.), pH 2.9, B - Acetonitrile; Isocratic 5% B for 5 minutes, increasing to 20% B over 5 minutes, then increasing to 60% B over 10 minutes. Hold at 60% B for 4 minutes, then reduce to 5% B over 6 minutes.
<b>COLUMN TEMP.</b>	22 °C
<b>FLOW RATE</b>	1.0 mL/minute
<b>INJECTION VOL.</b>	1.0 µL
<b>INJECTION CONC.</b>	0.9 mg/mL in Ultrapure water
<b>DETECTION</b>	210 ± 2 nm

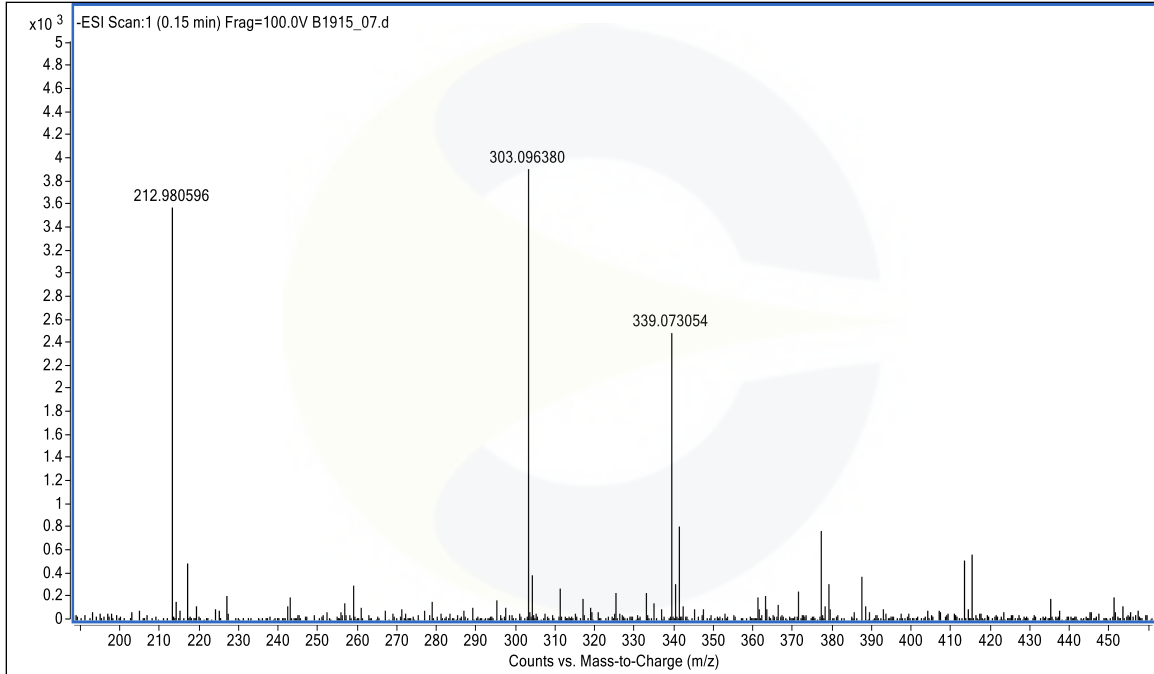
## HPLC CHROMATOGRAM OF VICINE (CDXA-15-1303)



This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.

Certificate of Analysis
For Laboratory Use Only
**UV SPECTRUM AT 3.5 MINUTES**

**HPLC CHROMATOGRAM OF DILUENT BLANK**


This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.

Certificate of Analysis
For Laboratory Use Only
**MASS SPECTRUM OF VICINE (CDXA-15-1303)**

**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	03/06/2015	New report
01	03/30/2021	Passed first re-evaluation by HPLC. Updated analytical results, analytical conditions, chromatograms, and expiration date. Removed melting point.

This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.