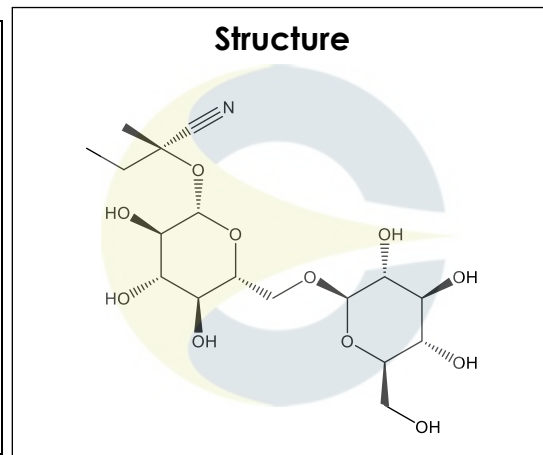


**Certificate of Analysis**
*For Laboratory Use Only*

<b>PRODUCT NAME</b>	Neolinustatin
<b>PART NUMBER</b>	00014270
<b>STANDARD TYPE</b>	Primary (P)
<b>LOT NUMBER</b>	00014270-003
<b>REPORT NUMBER</b>	CDXA-RSS-9319-00
<b>SAMPLE NUMBER</b>	CDXP-21-00202
<b>DATE OF SAMPLE</b>	03/26/2021
<b>DATE OF REPORT</b>	04/09/2021



<b>CHEMICAL NAMES</b>	(2R)-2-[[6-O-β-D-Glucopyranosyl-β-D-glucopyranosyl]oxy]-2-methyl-butanenitrile
<b>CHEMICAL FORMULA</b>	C <sub>17</sub> H <sub>29</sub> NO <sub>11</sub>
<b>MOLECULAR WEIGHT (MW)</b>	423.41
<b>CHEMICAL FAMILY</b>	Cyanogenic Glucosides
<b>CAS NUMBER</b>	[72229-42-6]
<b>EC#(EINECS)</b>	N/A
<b>RTECS</b>	EK4897000

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	89.0%
HPLC	See below	≥ 90%	90.4%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	Acetonitrile - 10100 ppm
Water	0.700.12.37	NA	0.6%
Appearance	NA	NA	White powder

\*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 89.0% IS BASED ON (100 - 1.0 SOLVENTS - 0.6 WATER) X 90.4% HPLC

**STORAGE CONDITIONS**

<b>STORAGE</b>	+4 °C in a dry place.
<b>EXPIRATION DATE</b>	03/2026 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.

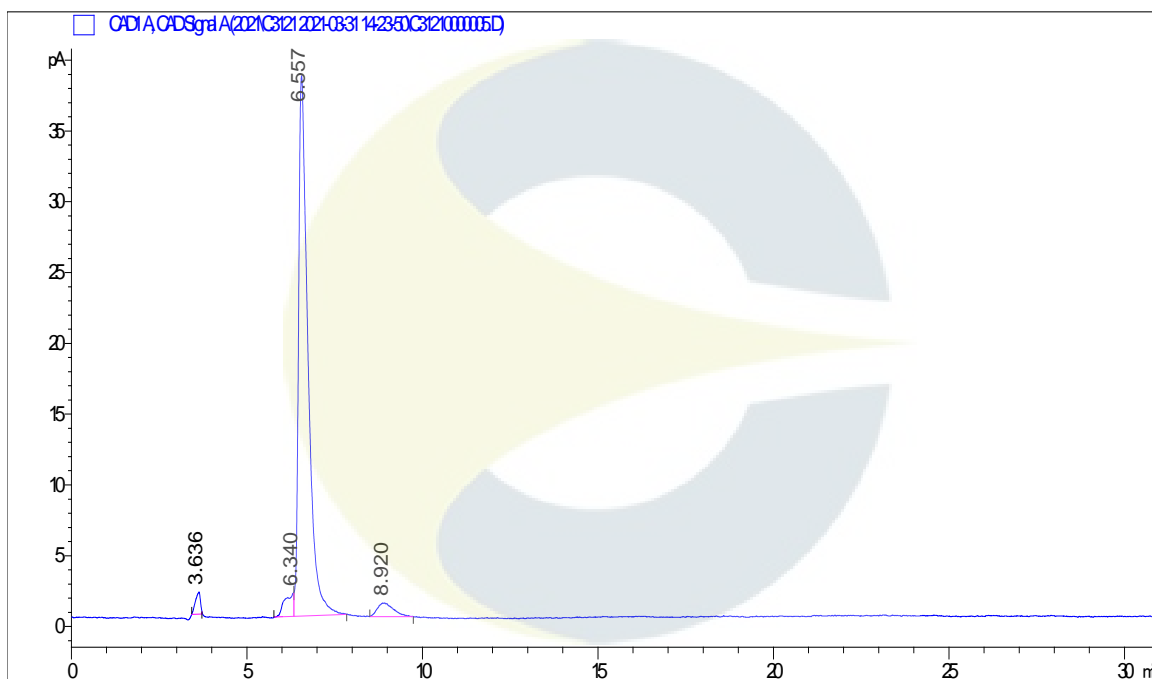
# Certificate of Analysis

*For Laboratory Use Only*

## ANALYTICAL CONDITIONS

<b>INSTRUMENT</b>	AGILENT 1260 HPLC CONNECTED TO DIONEX CORONA VEO CHARGED AEROSOL DETECTOR (CAD); AB-SCIEX 6600 TRIPLE TOF
<b>COLUMN</b>	Shodex Asahiapak NH2P-50 4E, 250 x 4.6mm, 5 µm particle size
<b>MOBILE PHASE</b>	A - Ultrapure water Isocratic 100% A for 31 minutes.
<b>COLUMN TEMP.</b>	60 °C
<b>FLOW RATE</b>	0.4 mL/minute
<b>INJECTION VOL.</b>	10.0 µL
<b>INJECTION CONC.</b>	1.3 mg/mL in Ultrapure water
<b>DETECTION</b>	CAD

## HPLC CHROMATOGRAM OF NEOLINUSTATIN (CDXP-21-00202)



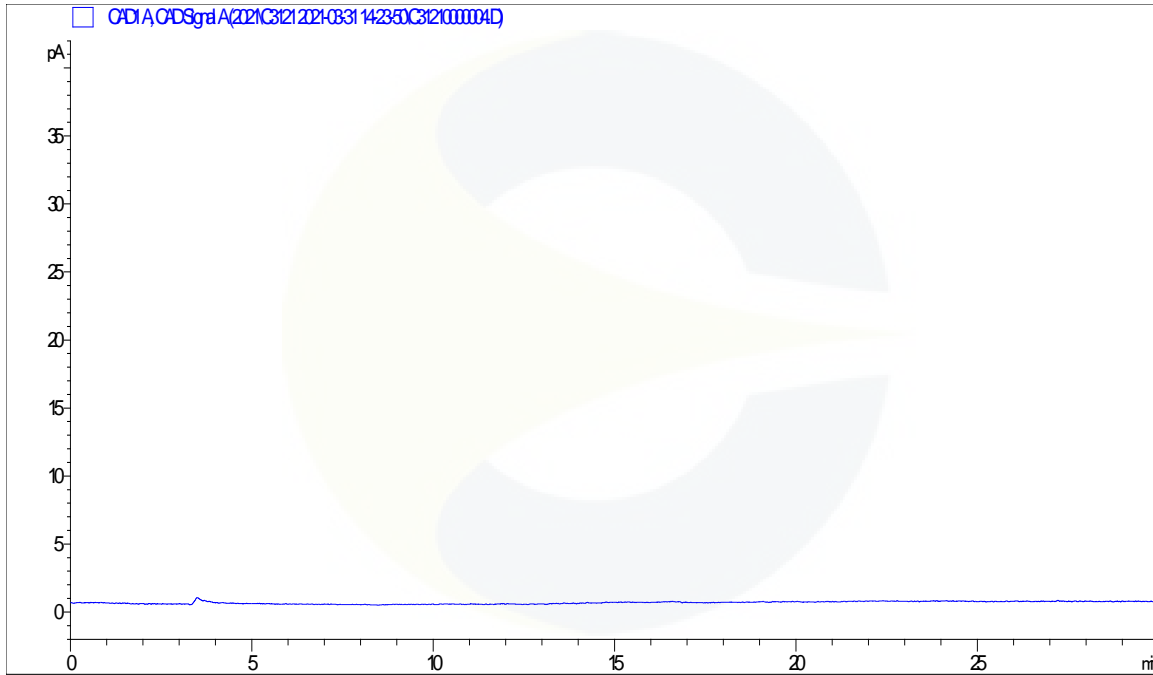
This document is the property of ChromaDex, Inc. and/or its relevant affiliates and contains confidential and proprietary material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by or to others is strictly prohibited.

10900 Wilshire Blvd., Suite 600, Los Angeles, CA 90024 | T: +1 949-419-0288 | F: +1 949-419-0294 | [www.chromadex.com](http://www.chromadex.com)  
 Laboratory address: 1751 S. Fordham St., Suite 350, Longmont, CO 80503

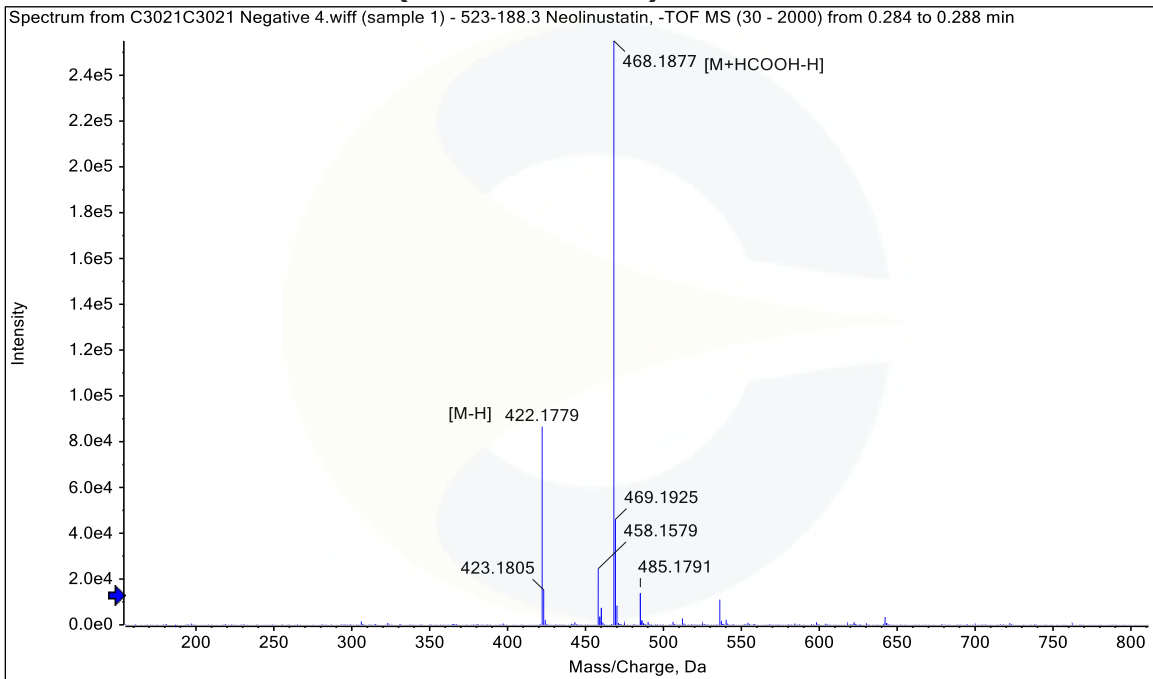
India Contact:  
 Life Technologies (India) Pvt. Ltd.  
 306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444  
 Email: [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com) Website: [www.lifetechindia.com](http://www.lifetechindia.com)

Certificate of Analysis For Laboratory Use Only

**HPLC CHROMATOGRAM OF DILUENT BLANK**



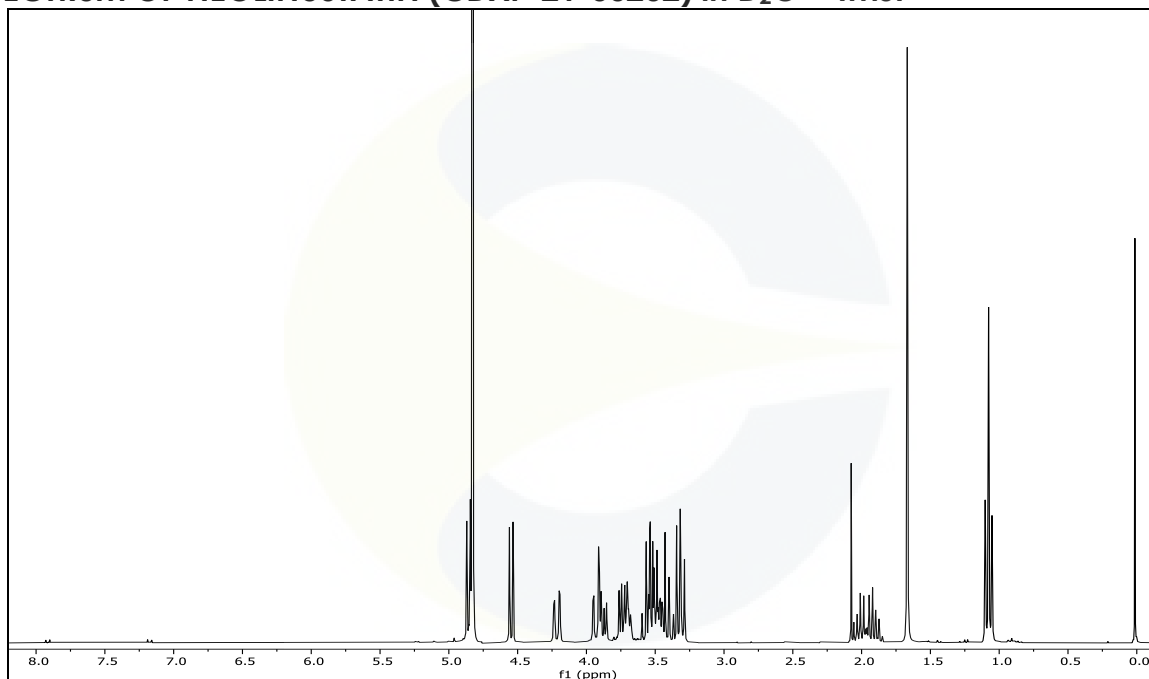
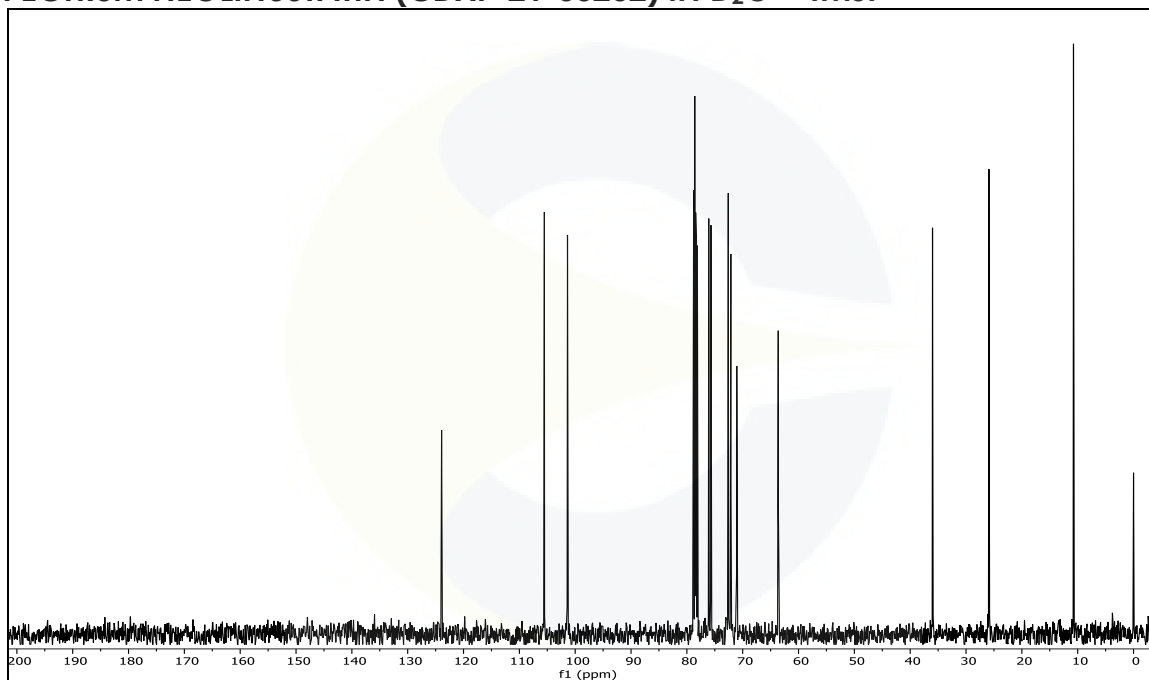
**MASS SPECTRUM OF NEOLINUSTATIN (CDXP-21-00202)**



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.

10900 Wilshire Blvd., Suite 600, Los Angeles, CA 90024 | T: +1 949-419-0288 | F: +1 949-419-0294 | www.chromadex.com  
 Laboratory address: 1751 S. Fordham St., Suite 350, Longmont, CO 80503

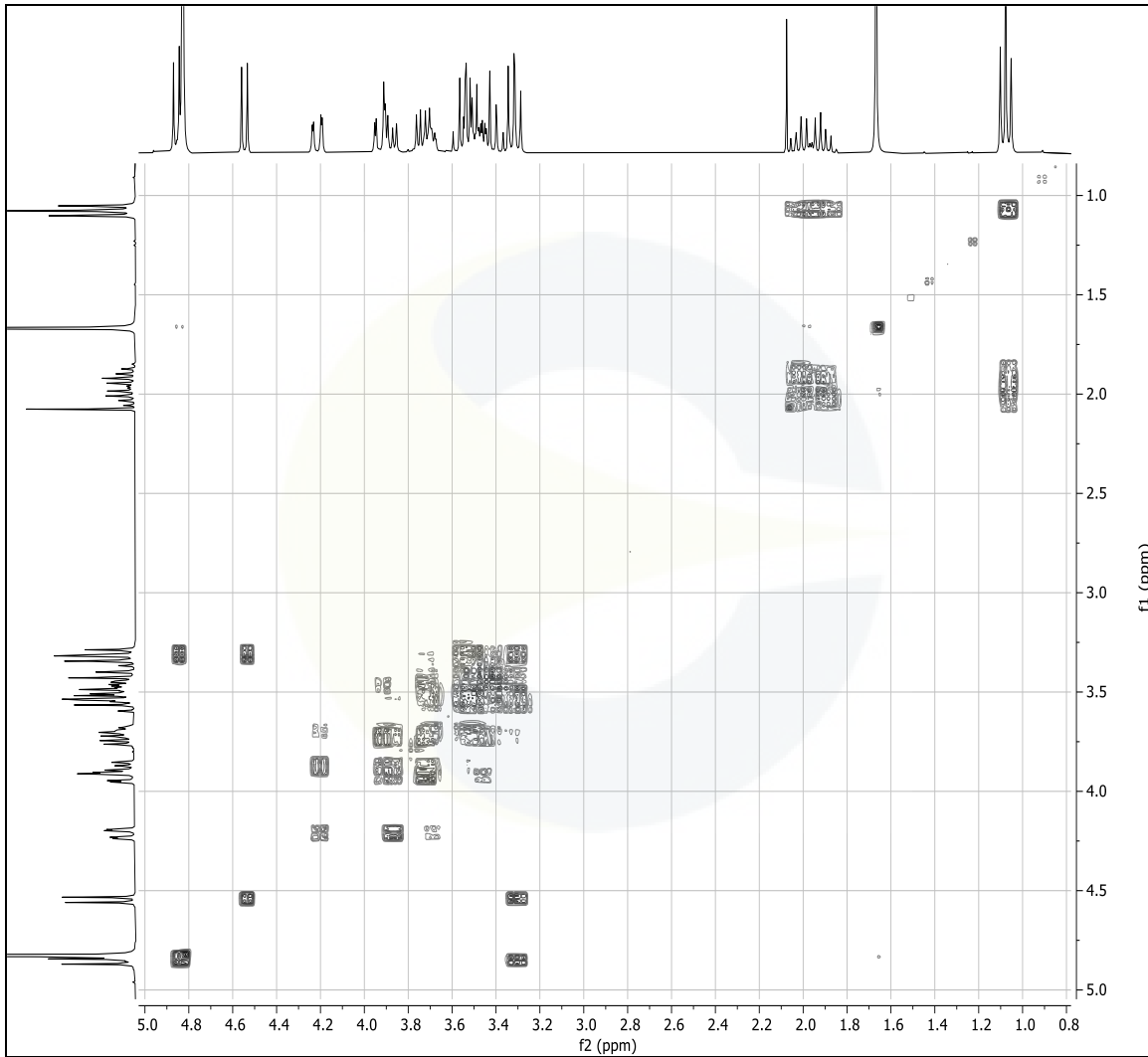
India Contact:  
 Life Technologies (India) Pvt. Ltd.  
 306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi - 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444  
 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

**<sup>1</sup>H-NMR SPECTRUM OF NEOLINUSTATIN (CDXP-21-00202) in D<sub>2</sub>O + TMSP****<sup>13</sup>C-NMR SPECTRUM NEOLINUSTATIN (CDXP-21-00202) IN D<sub>2</sub>O + TMSP**

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.

10900 Wilshire Blvd., Suite 600, Los Angeles, CA 90024 | T: +1 949-419-0288 | F: +1 949-419-0294 | [www.chromadex.com](http://www.chromadex.com)  
Laboratory address: 1751 S. Fordham St., Suite 350, Longmont, CO 80503

India Contact:  
Life Technologies (India) Pvt. Ltd.  
306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444  
Email: [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com) Website: [www.lifetechindia.com](http://www.lifetechindia.com)

**COSY-NMR SPECTRUM OF NEOLINUSTATIN (CDXP-21-00202) IN D<sub>2</sub>O + TMSP**

**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	04/09/2021	New report

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.