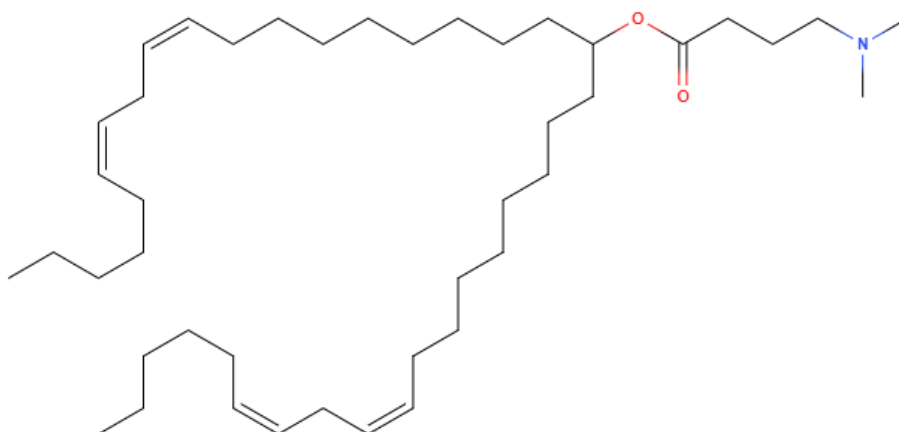


**CERTIFICATE OF ANALYSIS****DLin-MC3-DMA****Cat #: orb507413****PRODUCT INFORMATION**

Chemical Name: DLin-MC3-DMA  
Cat. Number: orb507413  
CAS Number: 1224606-06-7  
Batch Number: P7563  
Inspection Date: 2023-05-09

**PHYSICAL AND CHEMICAL PROPERTIES**

Molecular Formula: C<sub>43</sub>H<sub>79</sub>NO<sub>2</sub>  
Molecular Weight: 642.09  
Appearance: Liquid  
Storage: Store at low temperature  
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## ANALYTICAL DATA

HPLC: **Consistent with structure**

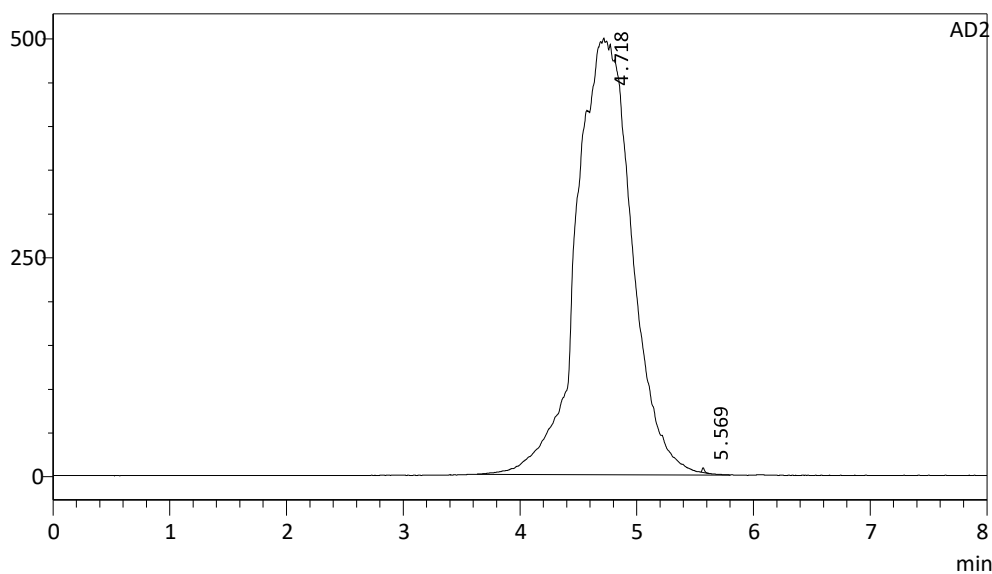
Sample Name : 227119  
Method Filename : F0.6-4 ELSD.lcm  
Batch Filename : 0.lcb  
Vial # : 1-74  
Injection Volume : 7 uL  
Date Acquired : 2023/3/7 16:43:08  
FLOW RATE : 0.6ml/min  
COLUMN ACE : C18: 50\*2.1 2um  
COLUMN : 30  
TEMPERATURE

### GRADIENT PROGRAMME :

TIME(MIN): MOBILE PHASE-A(H<sub>2</sub>O+0.1TFA): MOBILE PHASE-B(CH<sub>3</sub>CN+0.1TFA)

0	95%	5%
6	0%	100%
8	0%	100%

### <Chromatogram>



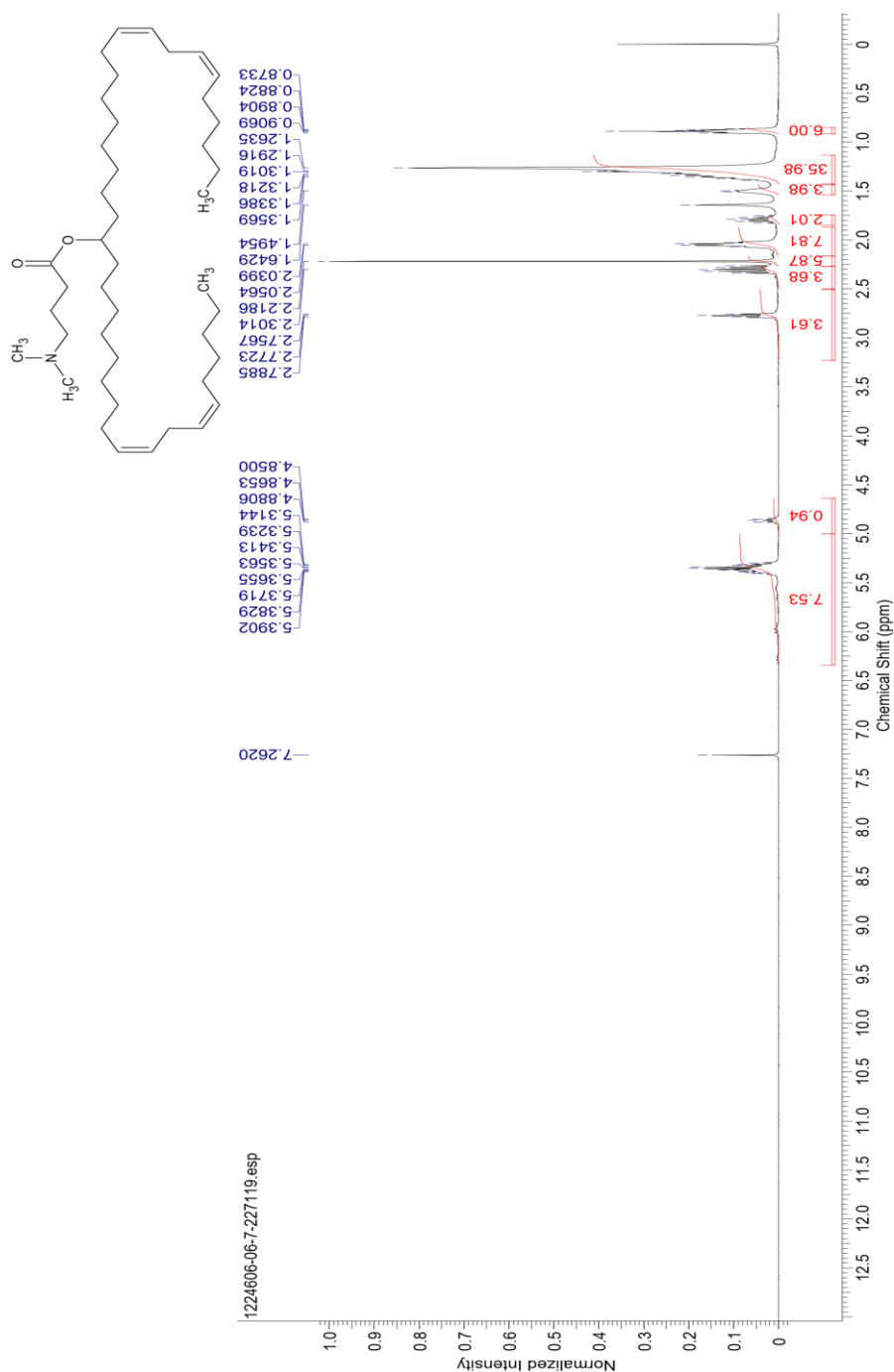
<Peak Table> AD2

Peak#	Ret. Time	Area	Height	Area%
1	4.718	16496404	498044	99.955
2	5.569	7419	5110	0.045
Total		16503822	503154	100.000

HNMR: Consistent with structure

<b>Formula</b> C43H79NO2	<b>FW</b> 642.0929		
<b>Acquisition Time (sec)</b> 4.0894		<b>Date</b> 08 Mar 2023 20:01:04	
<b>File Name</b> D:\20230309\227119\10\PDATA\1\1r		<b>Frequency (MHz)</b>	
<b>Origin</b> spect	<b>Original Points Count</b> 32768	<b>Owner</b>	
<b>Receiver Gain</b> 188.28	<b>SW(cyclical) (Hz)</b> 8012.82	<b>Solvent</b>	
<b>Spectrum Type</b> STANDARD		<b>Sweep Width (Hz)</b>	

<sup>1</sup>H NMR (400 MHz, CHLOROFORM-*d*)  $\delta$  ppm 0.85 - 0.92 (m, 6 H) 1.13 - 1.43 (m, 36 H)  
 1.44 - 1.54 (m, 4 H) 1.79 (ddt, *J*=7.46, 7.43, 7.41, 7.41 Hz, 2 H)  
 1.87 - 2.16 (m, 8 H) 2.16 - 2.27 (m, 6 H) 2.27 - 2.50 (m, 4 H) 2.77 (t, *J*=6.36 Hz, 4 H)  
 4.87 (t, *J*=6.11 Hz, 1 H) 5.00 - 6.34 (m, 8 H)



Purity: 98%

**Conclusion:** The product has been tested and meets the given quality standards.

### Inhibitor Natural Products; Compound Libraries

Products are chemical reagents for research use only and are not intended for human use. We do not sell to patients.