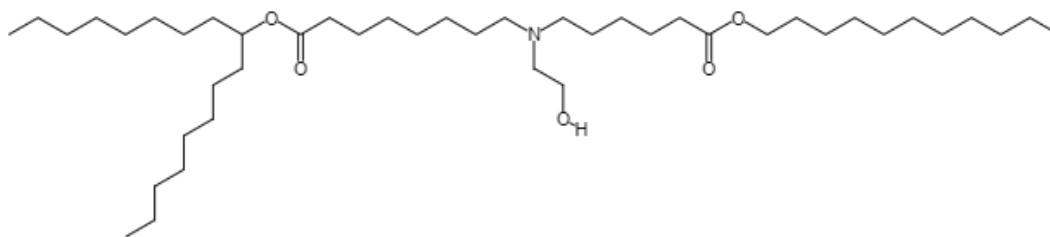


CERTIFICATE OF ANALYSIS**SM-102****Cat #: orb1298110****PRODUCT INFORMATION**

Chemical Name: SM-102
Cat. Number: orb1298110
CAS Number: 2089251-47-6
Batch Number: B9807
Inspection Date: 2023-05-09

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₄₄H₈₇NO₅
Molecular Weight: 710.17
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: 158224
 Method Filename: F0.6-42 ELSD.lcm
 Batch Filename: 2.lcb
 Vial #: 1-92
 Injection Volume: 3.5 uL
 Date Acquired: 2023/8/16 14:02:56
 Acquired by: System Administrator

FLOW RATE: 0.6ml/min

COLUMN: ACE C18 50*2.1 2um

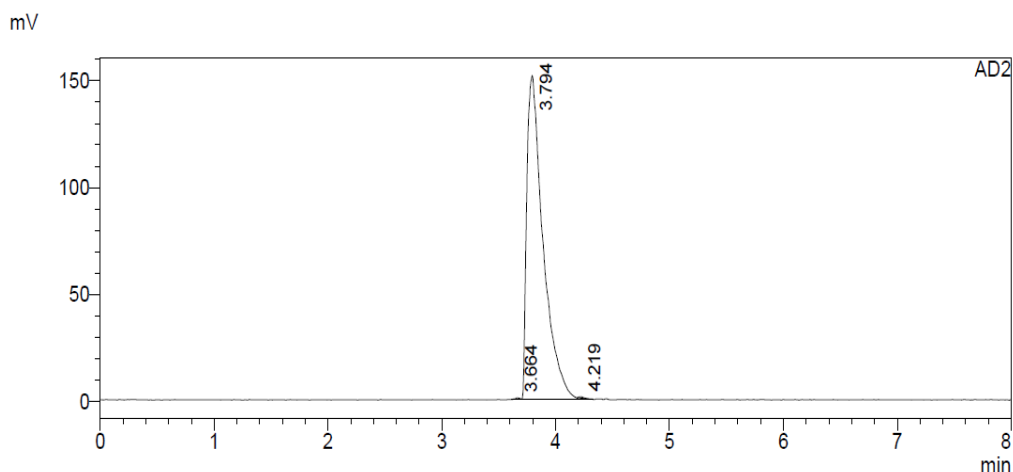
COLUMN TEMPERATURE: 30

GRADIENT PROGRAM:

TIME(MIN) MOBILE PHASE-A(H₂O+0.1TFA) MOBILE PHASE-B(CH₃CN+0.1TFA)

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

<Chromatogram>



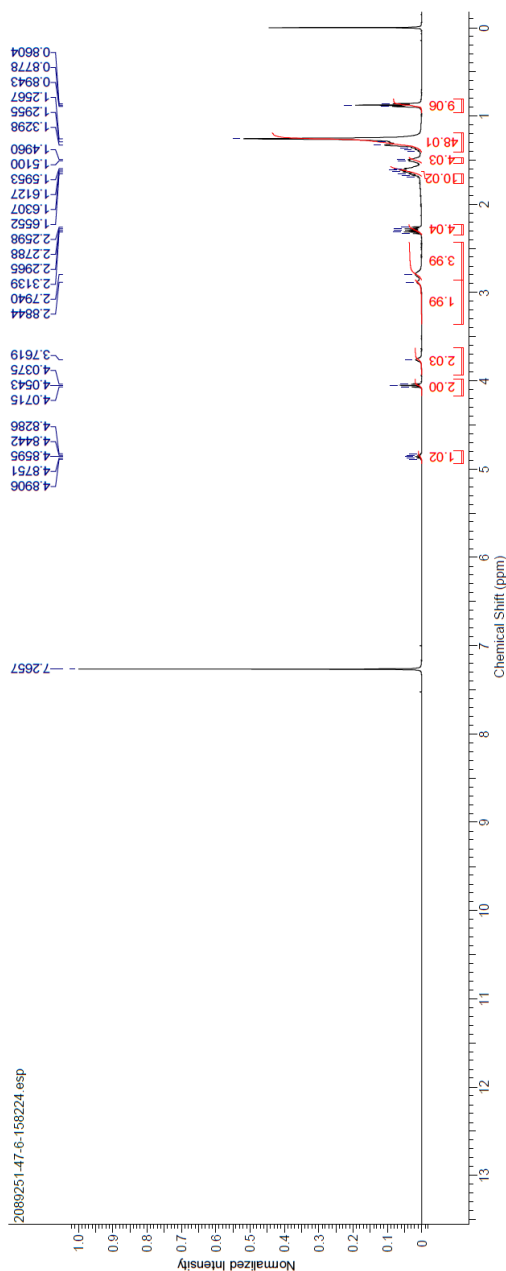
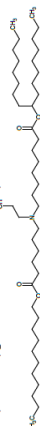
<Peak Table> AD2

Peak#	Ret. Time	Area	Height	Area%
1	3.664	1895	712	0.126
2	3.794	1503209	150849	99.754
3	4.219	1816	647	0.121
Total		1506921	152208	100.000

HNMR: Consistent with structure

Formal C, H, N, O	PW	710.1653	
Acquisition Time (sec)	4.0884	Date	30 Jun 2022 08:44:48
File Name	F:\20220715\158224\101 EDVA\1\1r	Frequency (MHz)	400.15
Origin	spect	Over	niisu
Receiver Gain	188.28	Par.its Count	65536
Spectrum Type	STANDARD	Solvent	CHLOROFORM-d
		Sweep Width (Hz)	21.963
		Temperature (degree C)	21.963

¹H NMR (400 MHz, CHLOROFORM-d) δ ppm 0.81 - 0.97 (m, 9 H) 1.19 - 1.41 (m, 16 H) 1.26 (br. s., 32 H) 1.50 (d, J=5.62 Hz, 4 H) 1.57 - 1.68 (m, 10 H) 2.30 (dt, J=14.27, 7.35 Hz, 4 H) 2.79 (br. s., 4 H) 2.88 (br. s., 2 H) 3.76 (br. s., 2 H) 4.05 (t, J=6.79 Hz, 2 H) 4.86 (quin, J=6.21 Hz, 1 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.