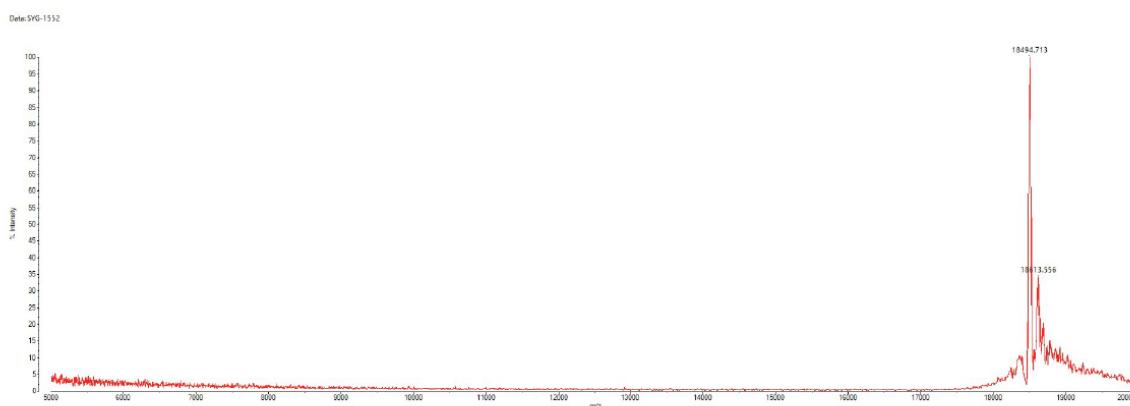


Supplementary information

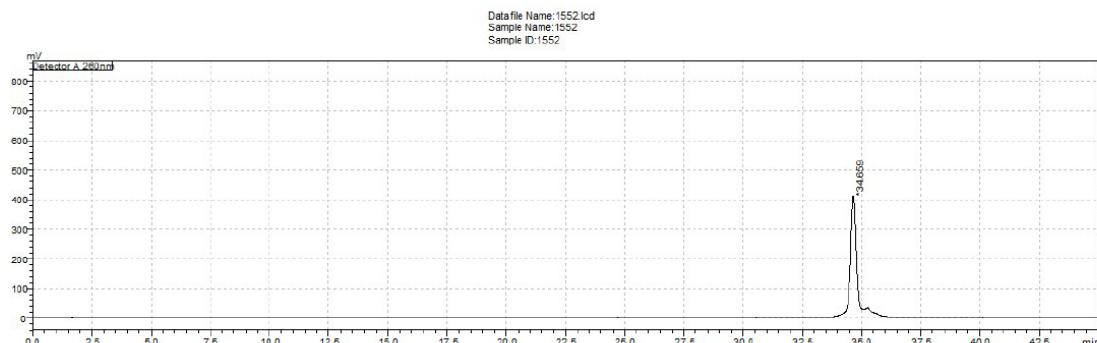
Sequence Information	
Sequence Name:	PNAT524_NCL
Sequence(5'-3'):	FAM/mA*mC*mC*mA*mG*mC*mC*mA*mC*mU*mC*mC*mU*mG*mA*mU*mG*mU*mC*mU*mA*mA*/Thiol C6 S-S/dGdGdTdGdGdTdGdGdTdGdGdTdGdG/Cy3
Number of Bases : 51   Scale : 1umol   Chemistry : Mixed   Linkage : Mixed   Purification : HPLC	
Amount of Oligo	Molecular Weight
OD260: 76.20	Calculated: 18356.48 Da
Extinction Coefficient: 537500 L/(mole.cm)	
Number of nmoles: 141.77	Found: 18494.70 (+6Na) Da
Amount in mg: 2.54	
For 100 $\mu$ M Concentration : Add 1417.67 $\mu$ L	

Charts & Notes

MALDI TOF :



HPLC :



### Sequence Information

Sequence Name: PNAT524\_S2.2  
 Sequence (5'-3'): /FAM/mA\*mC\*mC\*mA\*mG\*mC\*mC\*mA\*mC\*mC\*mU\*mC\*mC\*mU\*mG\*mG\*mA\*mU\*mG\*mG\*mU\*mC\*mU\*mA/TEG/dGdCdAdGdTdTdGdAdTdCdCdTdTdGdGdAdTdAdCdCdCdTdGdG/Cy3/

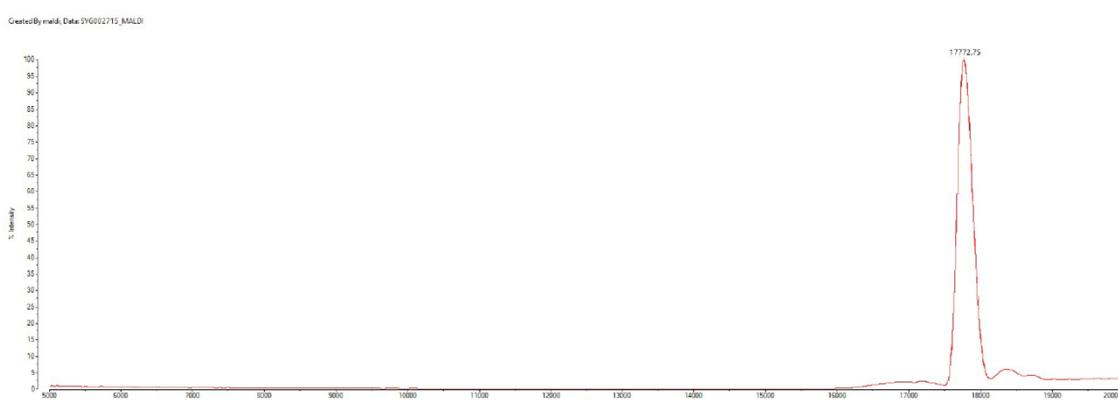
Number of Bases : 50 | Scale : 1umol | Chemistry : Mixed | Linkage : Mixed | Purification : HPLC

Amount of Oligo	Molecular Weight
OD260: 89.10	Calculated: 17727.97 Da
Extinction Coefficient: 547900 L/(mole.cm)	
nmol/ml: 162.62	Found: 17772.75 (+2Na) Da
Amount in mg: 2.88	

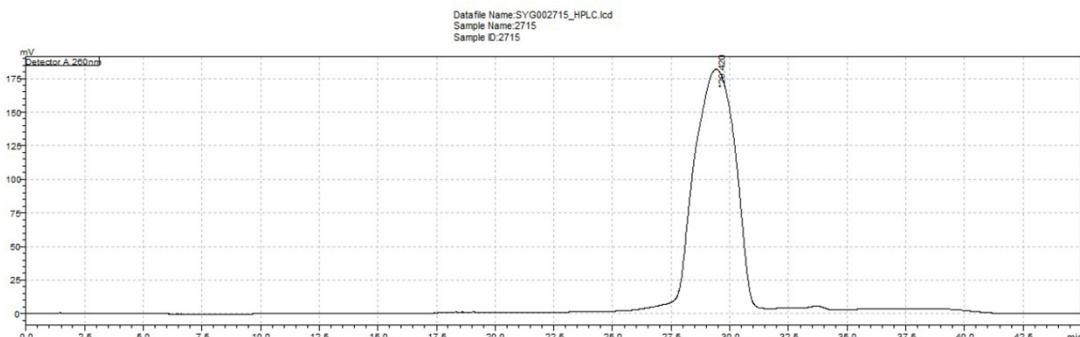
For 100  $\mu$ M Concentration : Add 1626.21  $\mu$ L

### Charts & Notes

#### MALDI TOF :



#### HPLC :



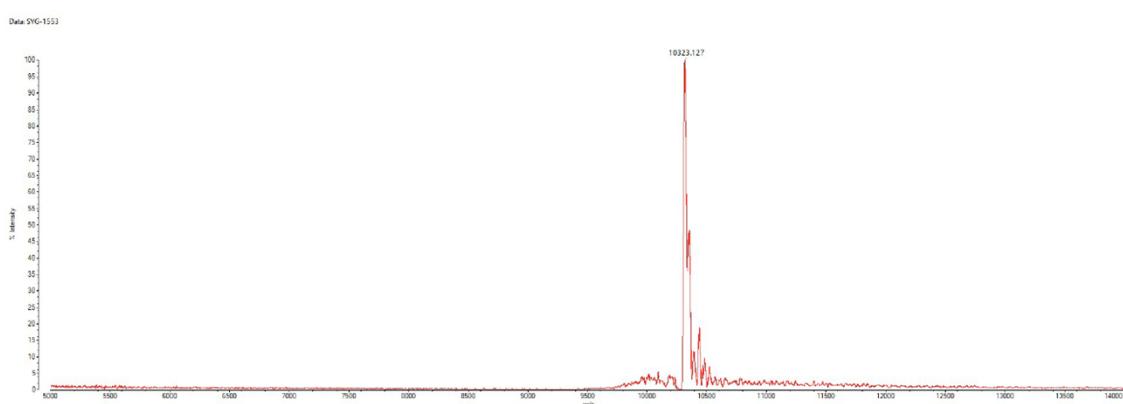
### Sequence Information

Sequence Name:	PNAT524_VitE
Sequence(5'-3'):	FAM/mA*mC*mC*mA*mG*mC*mC*mA*mC*mC*mU*mC*mC*mU*mG*mA*mU*mG*mU*mC*mU*mA*mA*/Thiol C6 S-S/VitE
Number of Bases : 25   Scale : 1umol   Chemistry : 2'OMe   Linkage : PS   Purification : HPLC	
Amount of Oligo	Molecular Weight
OD260: 52.50	Calculated: 10276.70 Da
Extinction Coefficient: 278300 L/(mole.cm)	
Number of nmoles: 188.65	Found: 10323.10 (+2Na) Da
Amount in mg: 1.94	

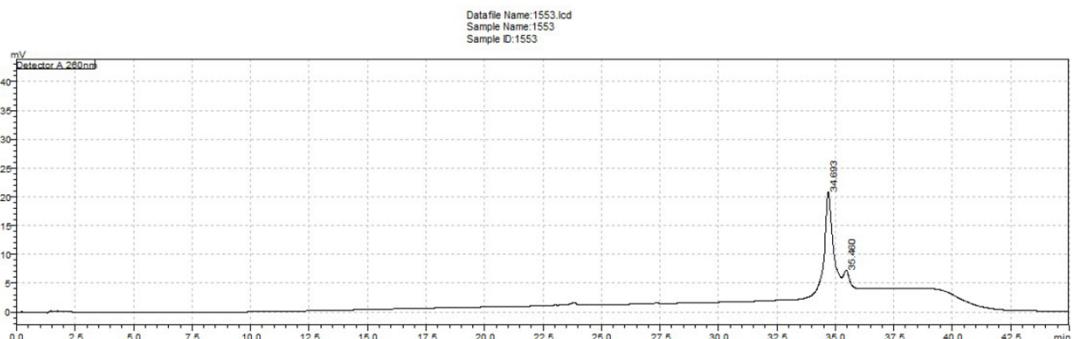
For 100  $\mu$ M Concentration : Add 1886.45  $\mu$ L

### Charts & Notes

#### MALDI TOF :



#### HPLC :



### Sequence Information

Sequence Name:	PNAT524_cholesterol
Sequence(5'-3'):	FAM/mA*mC*mC*mA*mG*mC*mC*mA*mC*mU*mC*mC*mU*mG*mG*mA*mU*mG*mU*mC*mU*mA*/Thiol C6 S-S/Cholesterol

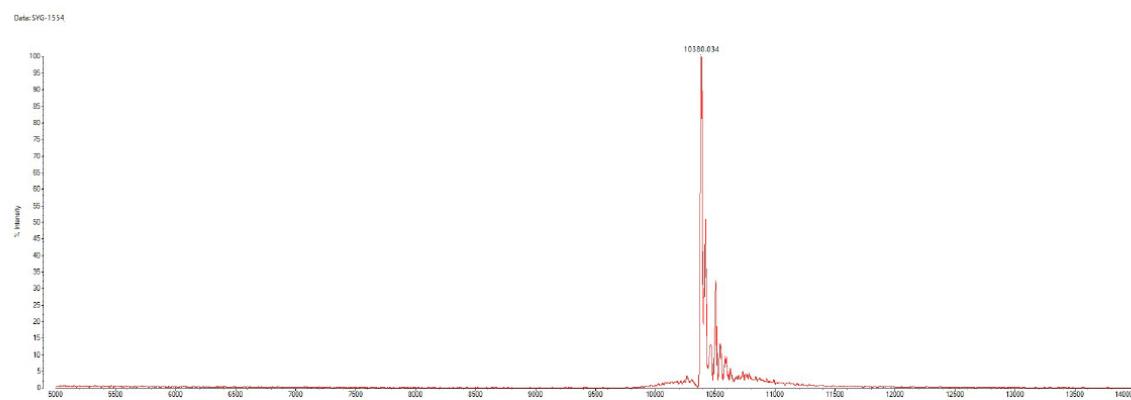
Number of Bases : 25 | Scale : 1umol | Chemistry : 2'OMe | Linkage : PS | Purification : HPLC

Amount of Oligo	Molecular Weight
OD260: 49.05	Calculated: 10334.70 Da
Extinction Coefficient: 278300 L/(mole.cm)	
Number of nmoles: 176.25	Found: 10380.03 (+2Na) Da
Amount in mg: 1.82	

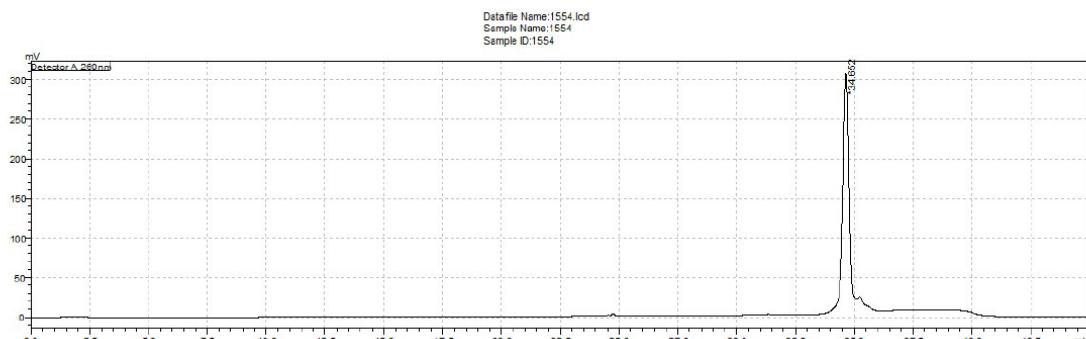
For 100  $\mu$ M Concentration : Add 1762.49  $\mu$ L

### Charts & Notes

MALDI TOF :



HPLC :



## Sequence Information

Sequence Name: PNAT524\_cholesterol\_NL

Sequence (5'-3'): FAM\*mA\*mC\*mC\*mA\*mG\*mC\*mC\*mA\*mC\*mC\*mU\*mC\*mC\*mU\*mG\*mG\*mA\*mU\*mG\*mG\*mU\*mC\*mU\*mA\*Cholesterol

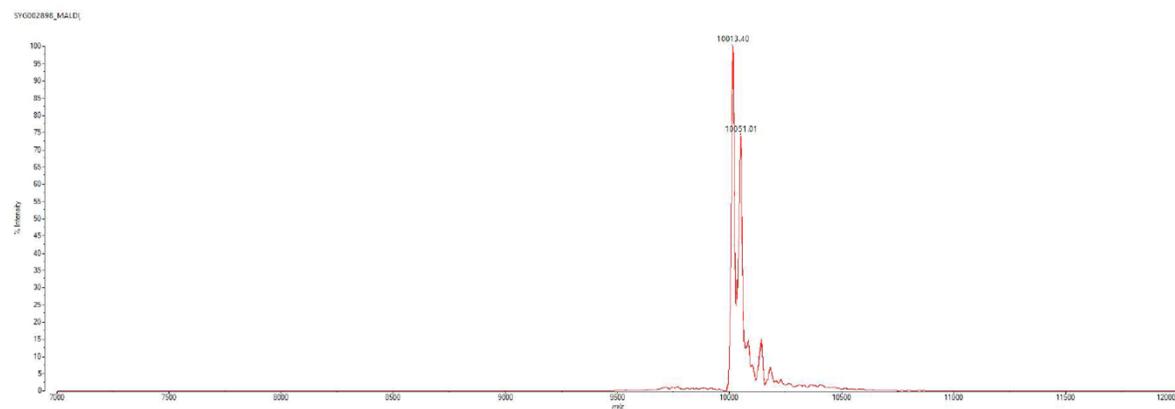
Number of Bases : 25 | Scale : 1 $\mu$ mol | Chemistry : 2'OMe | Linkage : PS | Purification : HPLC

Amount of Oligo	Molecular Weight
OD260: 11.70	Calculated: 9991.27 Da
Extinction Coefficient: 286900 L/(mole.cm)	
nmol/ml: 40.78	Found: 10013.40 (+Na) Da
Amount in mg: 0.41	

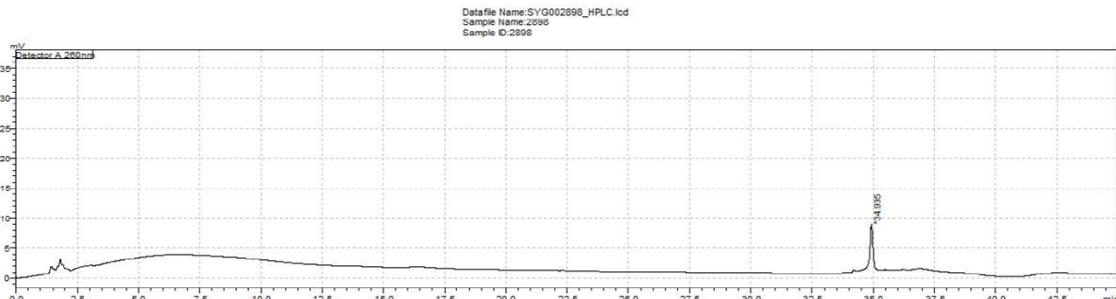
For 100  $\mu$ M Concentration : Add 407.81  $\mu$ L

## Charts & Notes

MALDI TOF :



HPLC :



## Sequence Information

Sequence Name: SCR524\_cholesterol

Sequence (5'-3'): mU\*mU\*mA\*mG\*mA\*mC\*mC\*mA\*mU\*mC\*mC\*mA\*mG\*mG\*mA\*mG\*mG\*mU\*mG\*mG\*mC\*mU\*mG\*mG\*mU-S-S/Cholesterol

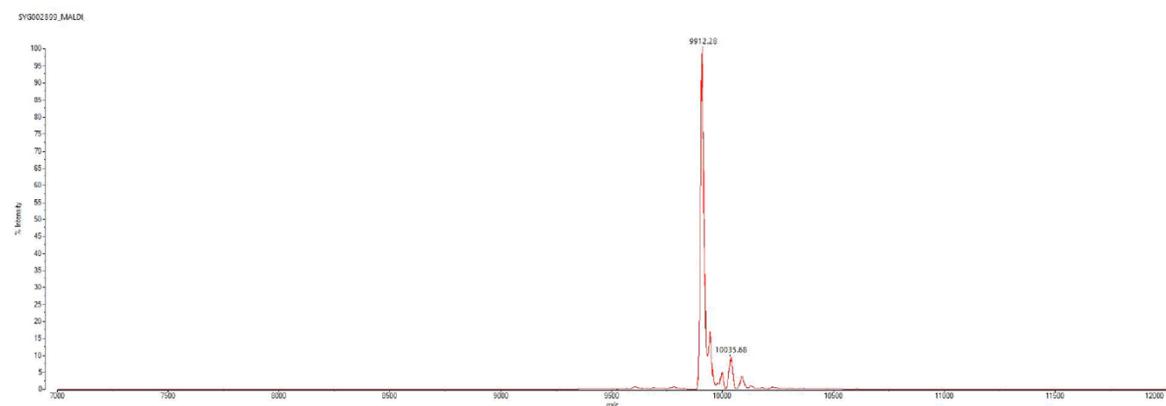
Number of Bases : 25 | Scale : 1 $\mu$ mol | Chemistry : 2'OME | Linkage : PS | Purification : HPLC

Amount of Oligo	Molecular Weight
OD260: 20.25	Calculated: 9888.25 Da
Extinction Coefficient: 276900 L/(mole.cm)	
nmol/ml: 73.13	Found: 9912.28 (+Na) Da
Amount in mg: 0.72	

For 100  $\mu$ M Concentration : Add 731.31 $\mu$ L

## Charts & Notes

MALDI TOF :



HPLC :

