

QL13-26

Done

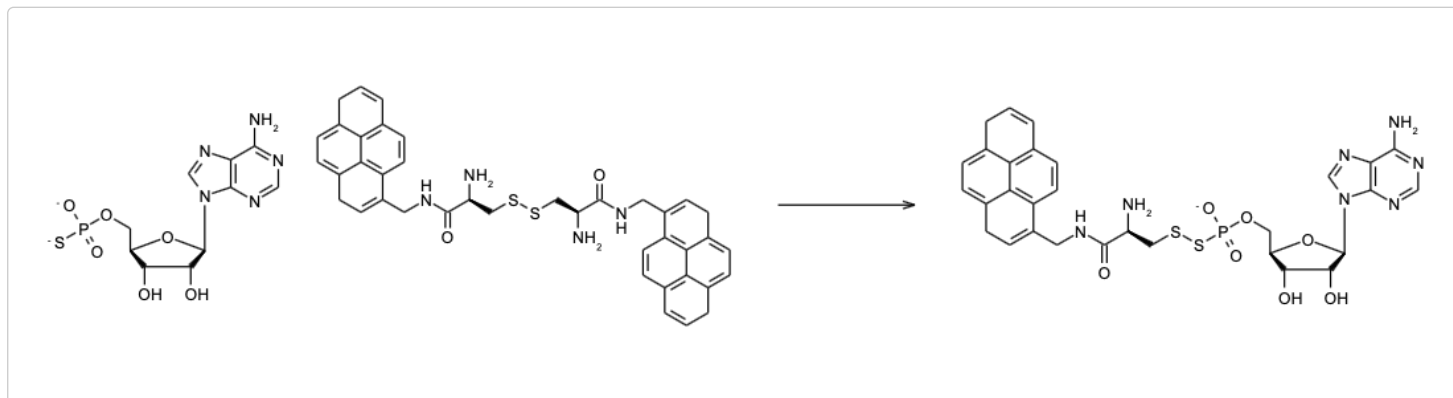
Title: Goal: 

Started on: March 26, 2021

Project: Phosphorothioates

Type: Disulfide exchange

## Scheme



## Tables

	Reactant	MW	m	n	equiv	d	volume	source	purity/ conc./ loading
1	molecule 1	361.271			1.00				1 mM In PBS
2	molecule 2	670.886			1.00				10 mM In PBS

	Solvent	volume	ratio	conc.	event	temp.	time	heat/cooling source	info
1					1				

	Product ID	MW	m	n	equiv	m obtained	yield	purity/ conc./ loading	Results	Name
1	Draft-1-1	696.714			1.00					

## Procedure

To a solution of molecule 2 (1.31 ug, 4.00 undefined) in PBS (1 mM, 4.00  $\mu$ L, 1.0 eq.) was added a solution of molecule 1 (4.00  $\mu$ L, 4.00 undefined) in PBS buffer (111  $\mu$ M (1 eq.), 1.11 mM (10 eq.), or 11.1 mM (100 eq.), 36  $\mu$ L, pH 7.4). The reaction mixture was analysed by LCMS.

1 eq: small peak of desired product

10 eq: bigger peak

100 eq: large peak of desired product

Add 3 equiv TCEP as compared to Pyr-Cys, analyse again

100 eq: No more product