

QL13-55

Done

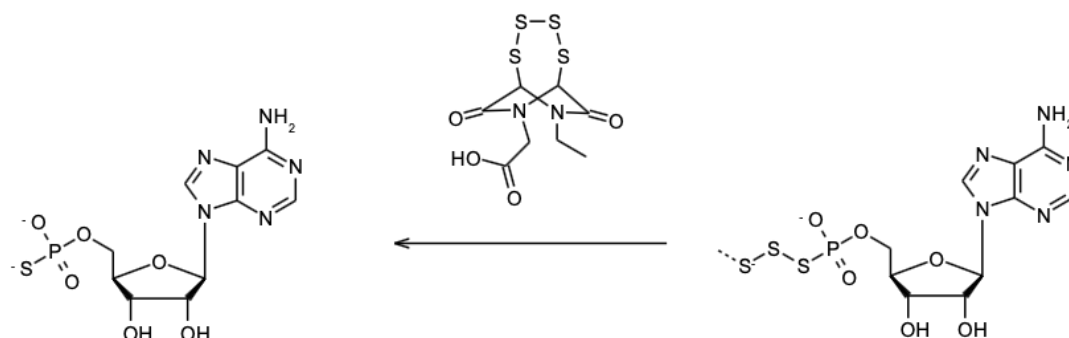
Title: Goal: 

Started on: April 22, 2021

Project: Phosphorothioates

Type: Disulfide exchange

## Scheme



## Tables

|   | Reactant   | MW      | m       | n    | equiv     | d    | volume  | source | purity/ conc./ loading |
|---|------------|---------|---------|------|-----------|------|---------|--------|------------------------|
| 1 | molecule 1 | 361.271 |         | 4.00 | undefined | 1.00 | 4.00 uL |        | 1 mM<br>In PBS         |
| 2 | molecule 2 | 326.435 | 1.31 ug | 4.00 | undefined | 1.00 |         |        |                        |

| 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--3 | 441.443 | 1.77 ug | 4.00  | undefined  | 1.00  |                        |         |      |

## Procedure

To a solution of molecule 2 (1.31 ug, 4.00 undefined) in PBS (1 mM, 4.00 µL, 1.0 eq.) was added a solution of molecule 1 (4.00 uL, 4.00 undefined) in PBS buffer (111 µM (1 eq.), 1.11 mM (10 eq.), or 11.1 mM (100 eq.), 36 µL, pH 7.4).

HPLC conditions: 5% - 40% ACN over 8 minutes in total, 1 mL/min, buffer TEAA 100 mM pH 7.5 as mobile phase

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