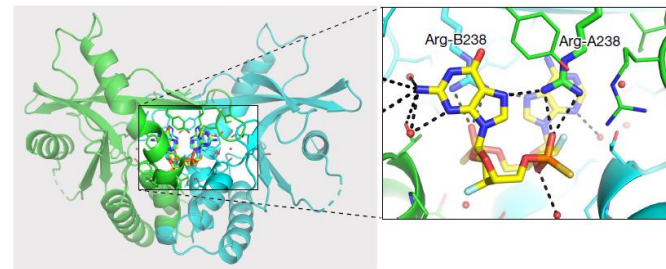
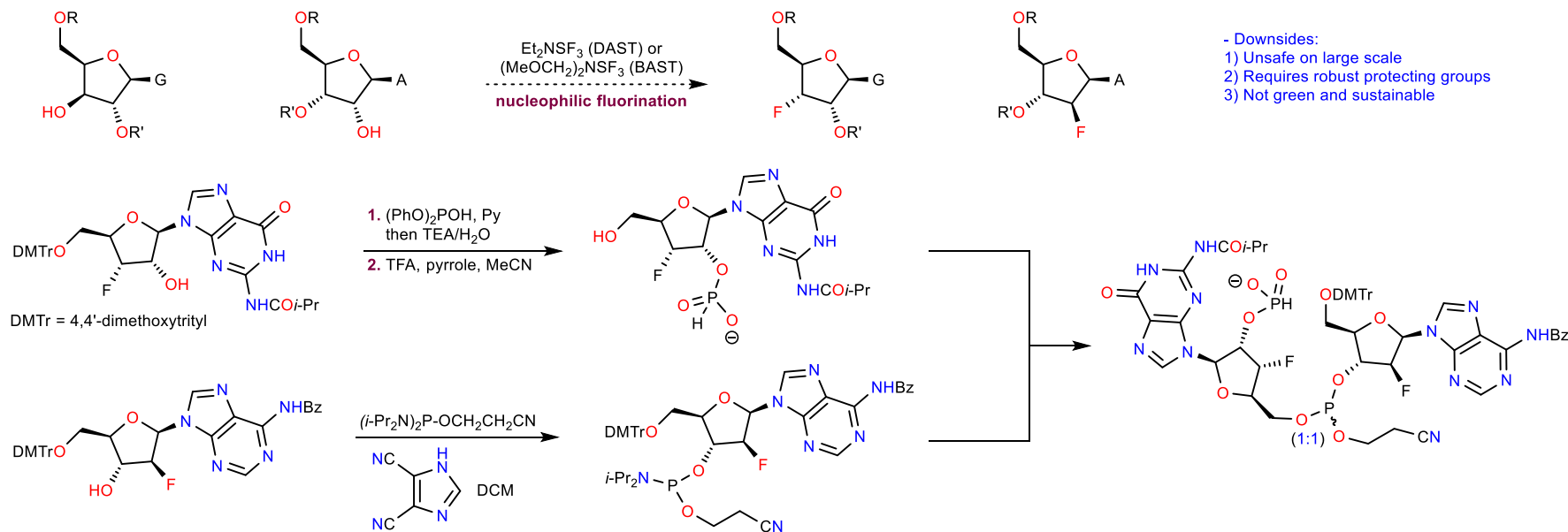


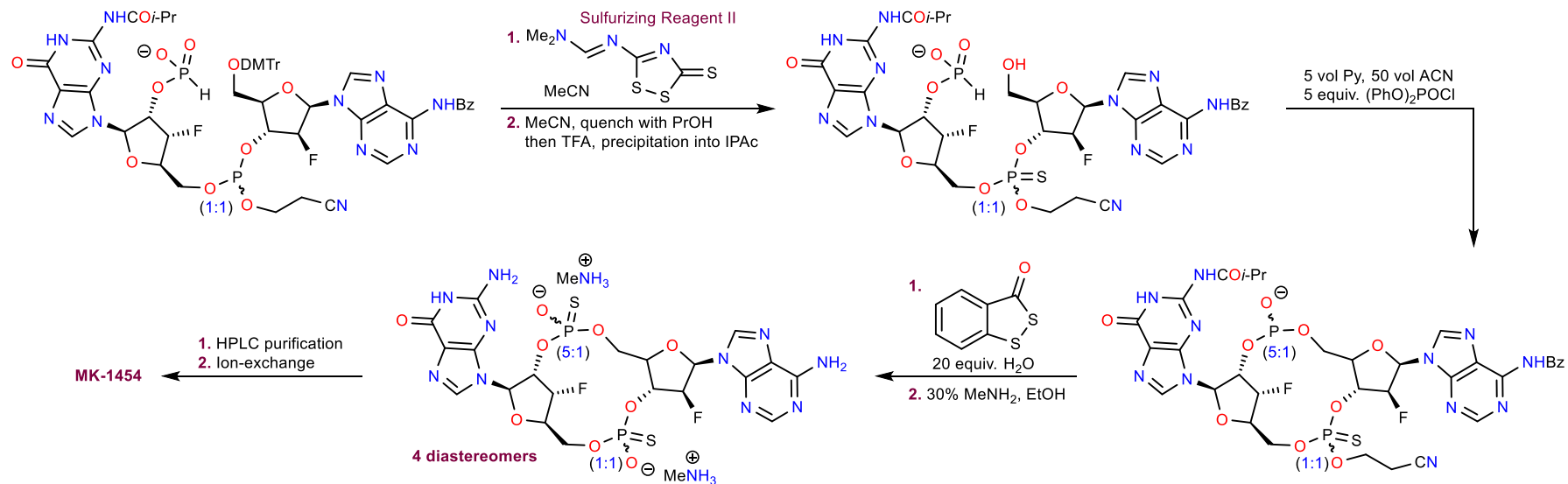
- MK-1454 is a potent agonist for the stimulator of interferon gene protein (STING).
- STING is responsible for the up-production of interferon and cytokines.
- Agonism of this protein has shown promise in anticancer therapy, allowing the immune system to eradicate tumor cells.

McIntosh, J. A. et al. *Nature*, **2022**, 603, 439
<https://doi.org/10.1038/s41586-022-04422-9>
 Benkovics, T. et al. *J. Am. Chem. Soc.* **2022**, 144, 5855
<https://doi.org/10.1021/jacs.1c12106>

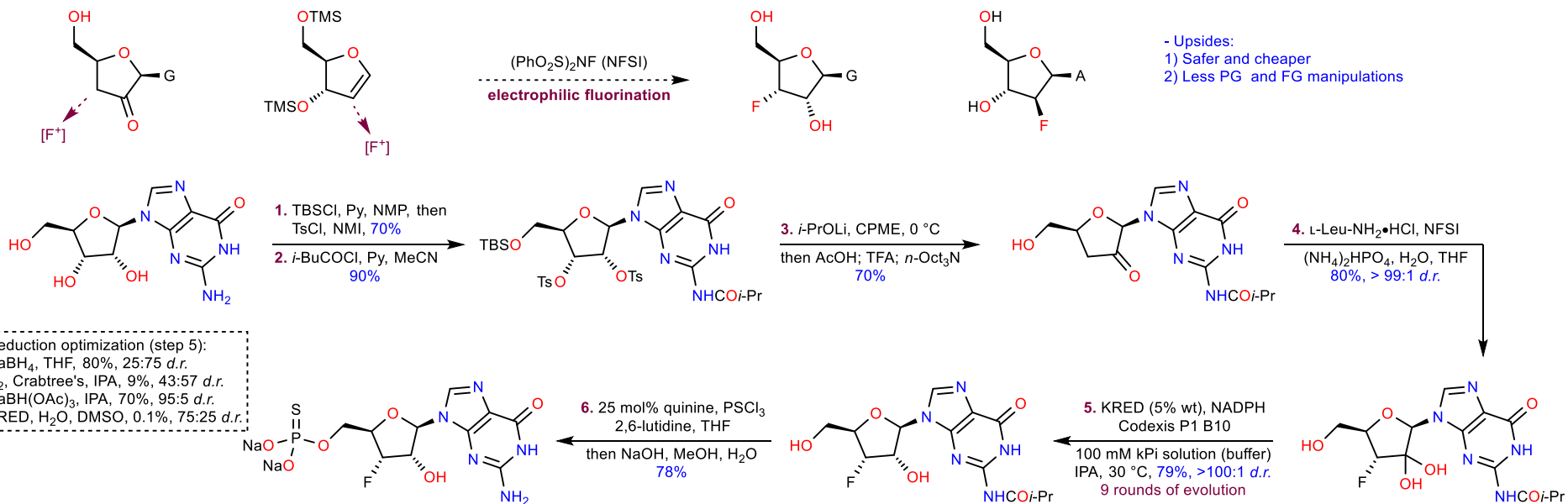


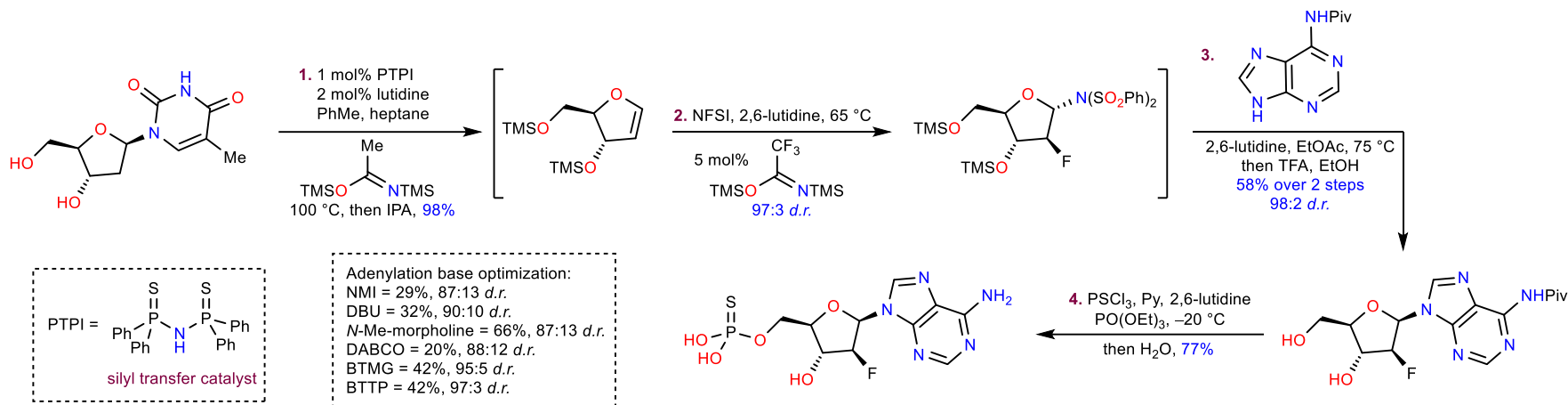
Initial Route:





Optimized Route:





Final Step:

