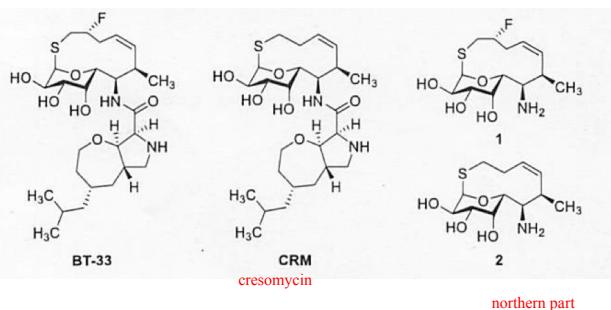
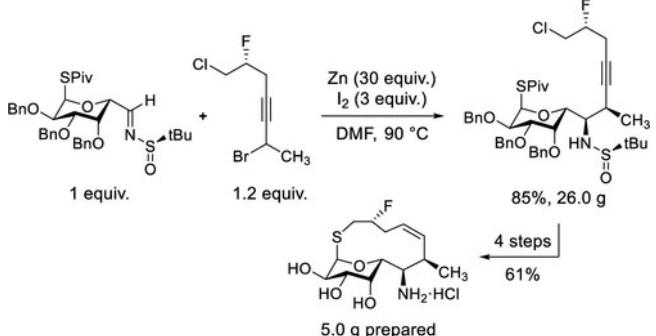
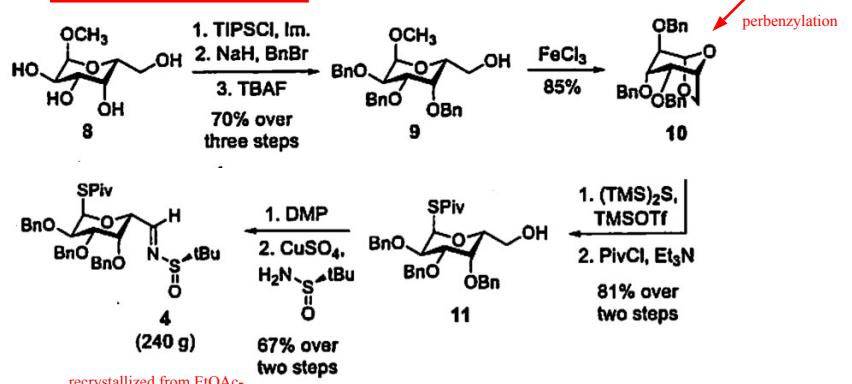


Practical Synthesis of Macrocyclic Thiolincosamines

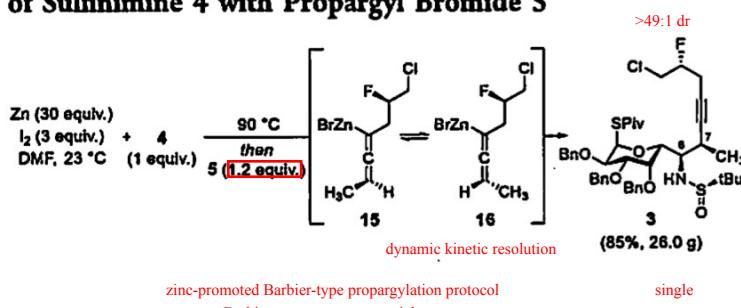
Kelvin J. Y. Wu, Ben I. C. Treco, Junzhe Xiao, Dominic N. Y. See, and Andrew G. Myers\*  
Journal of the American Chemical Society 2024, 146, 42, 29135-29139



**Scheme 2. Synthesis and Structure of the Ellman Sulfinimine 4**



**Scheme 4. Barbier-Type Diastereoselective Propargylation of Sulfinimine 4 with Propargyl Bromide 5**

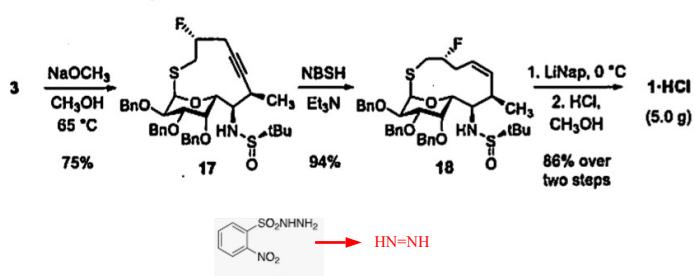


zinc-promoted Barbier-type propargylation protocol  
Barbier-type process essential:

>49:1 dr

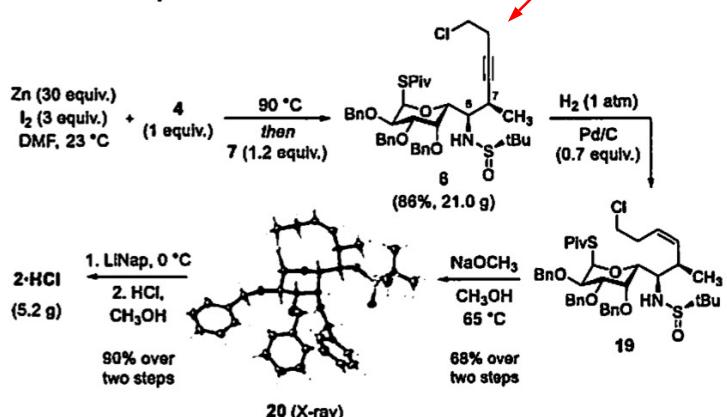
single

**Scheme 5. Synthesis of 1·HCl**



transformation into the corresponding 10-membered macrocyclic alkyne : unsuccessful; the 20 membered dimer was

**Scheme 6. Synthesis of 2·HCl**



**Scheme 3. Syntheses of Propargyl Bromides 5 and ( $\pm$ )-7**

