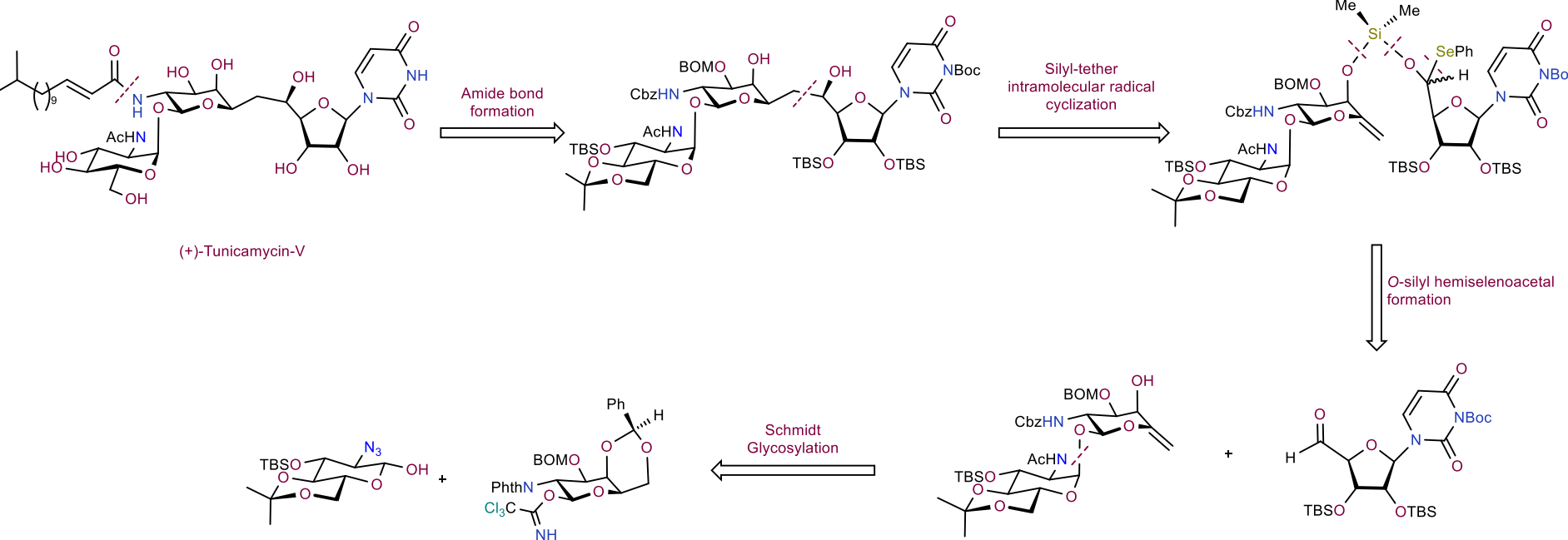


- First isolated from the fermentation broths of *Streptomyces lysosuperficus*.
- Nucleoside natural products and show antibacterial, antiviral and antitumor activities
- Undecodialdose skeleton and 1,1-β,α-trehalose-type glycosidic bond
- Silicon-tethered reductive coupling of aldehydes and allylic alcohols (selective 7-endo-trig)

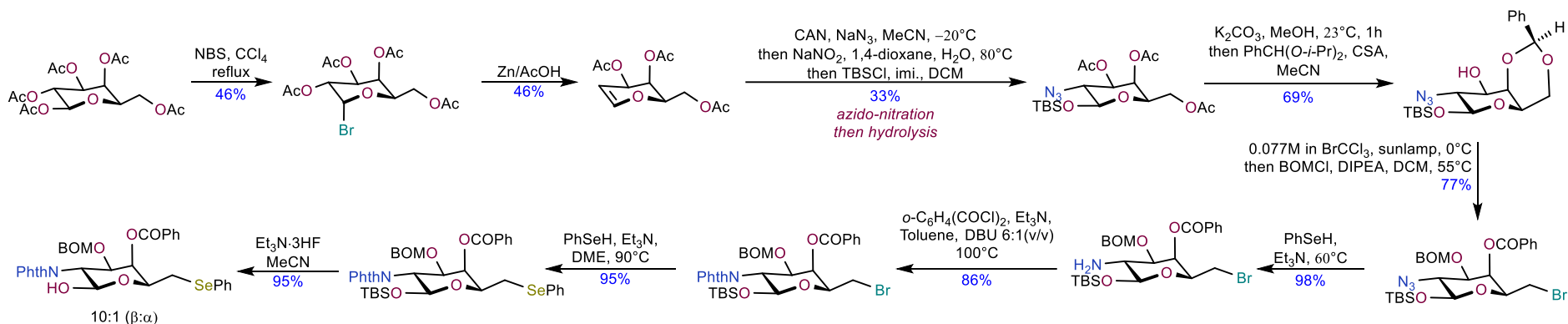
**Isolation:**  
Takatsuki, A. et al. *The Journal of antibiotics*, 24(4), 215-223. <https://doi.org/10.7164/antibiotics.24.215>.  
Total synthesis:  
Suami, T. et al. *Tetrahedron letters*, 25(40), 4533-4536. [https://doi.org/10.1016/S0040-4039\(01\)81486-6](https://doi.org/10.1016/S0040-4039(01)81486-6)  
Myers, A. G. et al. *J. Am. Chem. Soc.* 115, 2036– 2038. <https://doi.org/10.1021/ja00058a060>  
Yu, B. et al. *Angew. Chem., Int. Ed.* 2015, 54, 6618– 6621 <https://doi.org/10.1002/ange.201501890>  
Ichikawa, S. et al. *Org Lett.* 2018;20:256–9. <https://doi.org/10.1021/acs.orglett.7b03623>

**Retrosynthetic Analysis:**

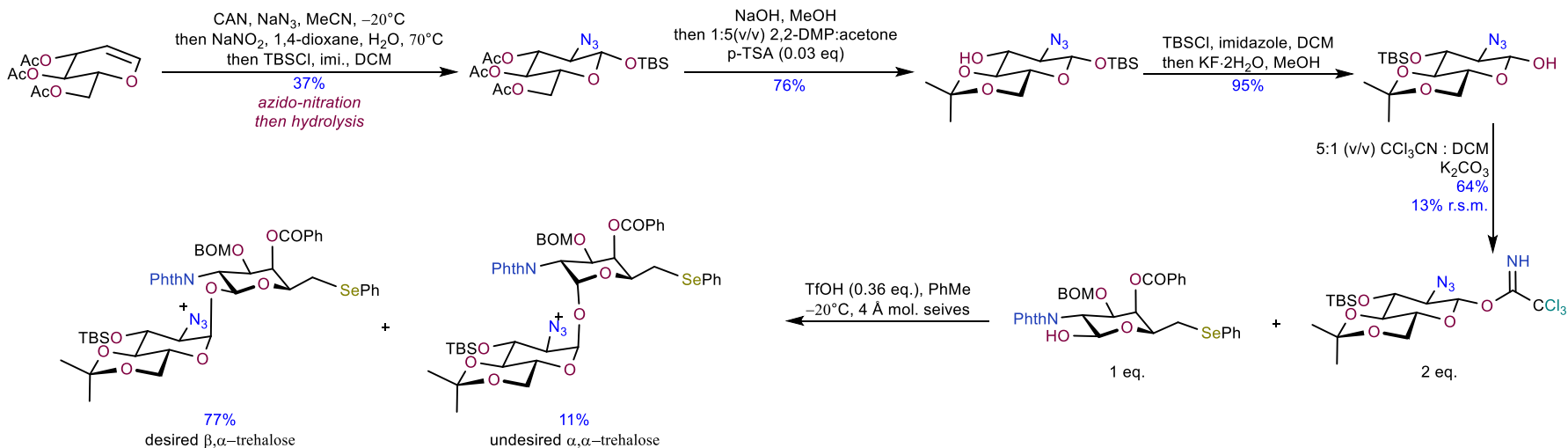


Myers, A. G. et al. *J. Am. Chem. Soc.* 116, 4697– 4718. <https://doi.org/10.1021/ja00090a018>

## Galactosyl Building Block :



## Glucosyl Building Part + Glycosylation:



## Final Stage

