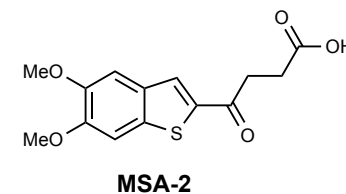
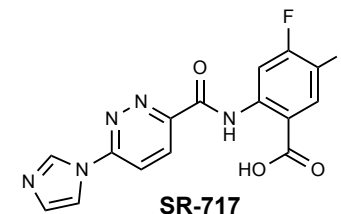
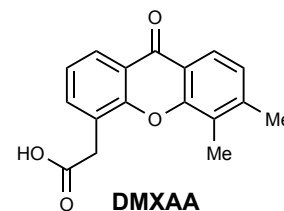
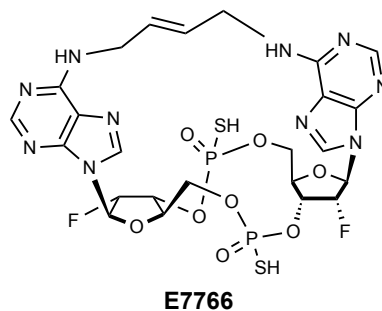
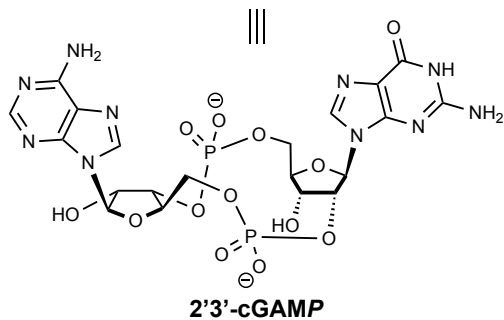
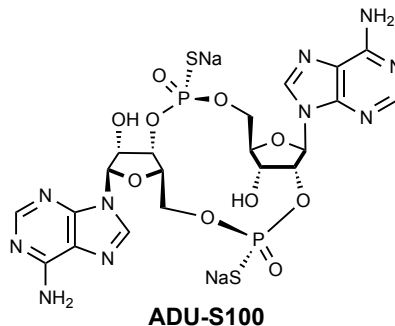
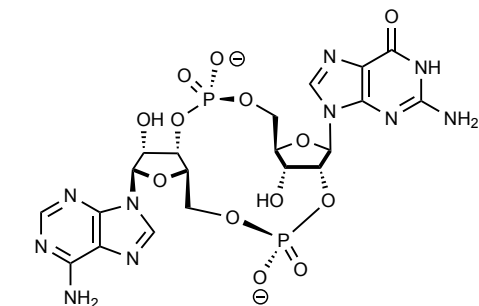
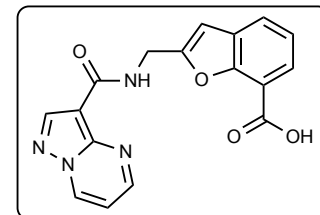


STING Agonists

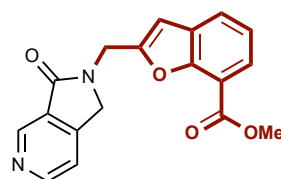
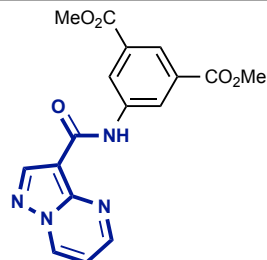
- The Stimulator of Interferon Genes (STING) pathway is a new potential method for cancer treatment
 - STING Agonists elicit an immune response that can kill cancer cells
- Primary investigations in STING agonists focused on modifying 2'3'-cGAMP, an endogenous STING ligand
 - Normally, DNA in cellular cytoplasm activates STING which in turn activates immune response to fight infection
- Normally, intratumoral delivery of STING agonists is required for effective tumor reduction
 - Direct introduction of the STING agonist to the tumor site is necessary for activation of STING



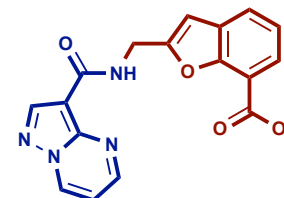
Non-CDN STING agonists

- Simplified synthesis
- Tunability
- Better PK profile
- Easier process routes
- Less-crowded patent space
- Potential oral dosing

- Moderate activity
- Poor PK stability
- No off-target activity

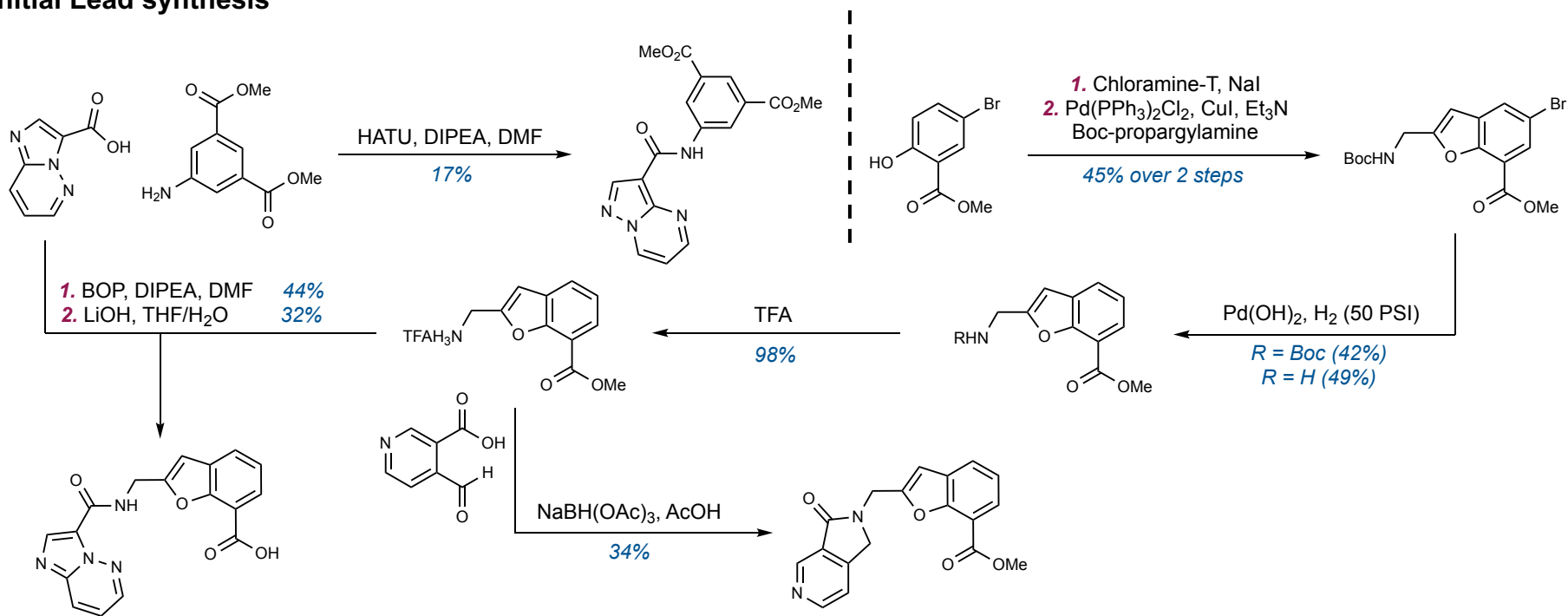


Chemotype Hybridization →



- Excellent activity
- No degradation *in vivo*
- Poor membrane permeability

Initial Lead synthesis



Scaffold Fine-Tuning

