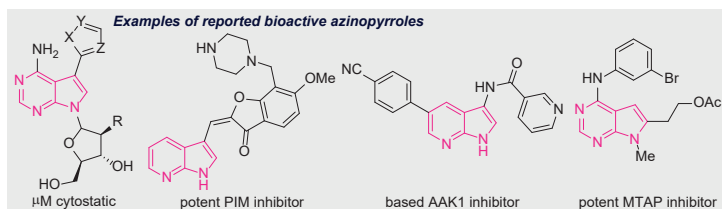


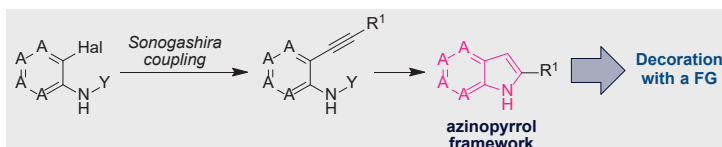
Synthesis of annulated azinopyrrol heterocyclic frameworks as purine analogs

M. Kordubaylo, O. Borysov, Dmytro M. Volochnyuk, Serhiy V. Ryabukhin, R. Iminov

MedChem relevance and synthetic strategy outline

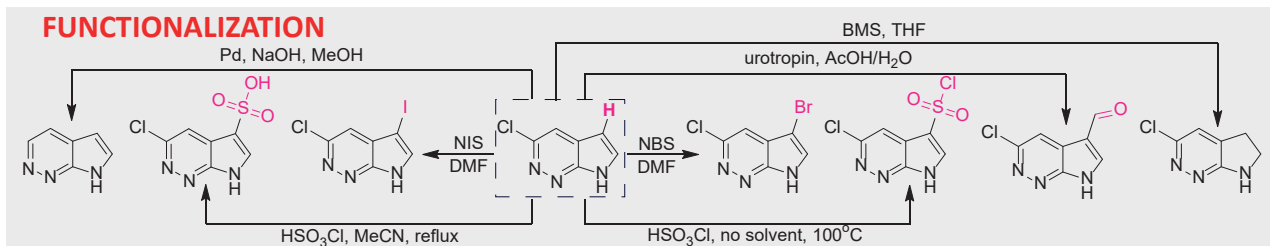
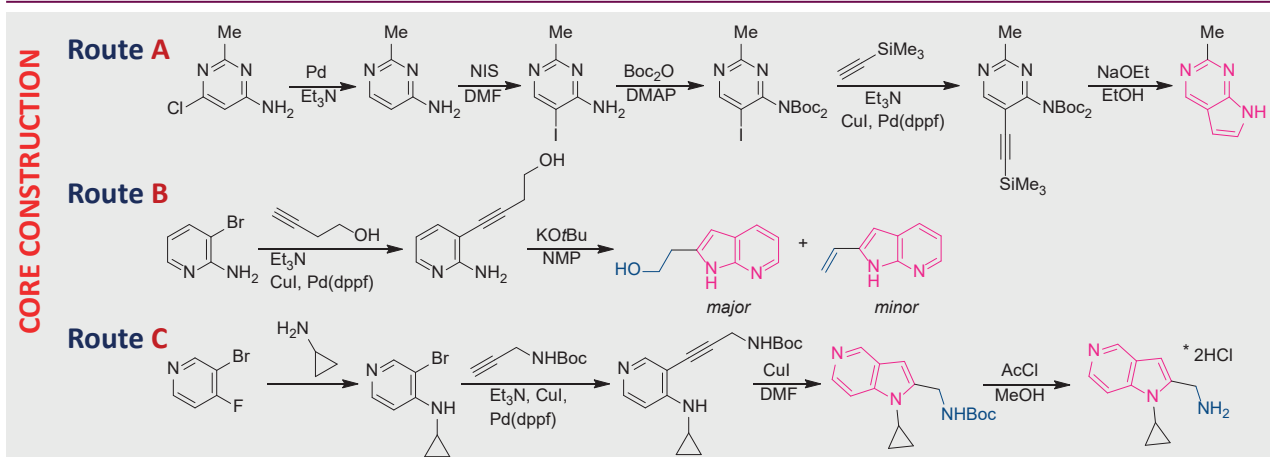


- **Purine core is a venerable motif in medicinal chemistry**, which was employed in construction of numerous drug molecules.
- **In this regard, diversification of purine core came to the spotlight of scientific community** aiming at identifying more effective and selective agents.

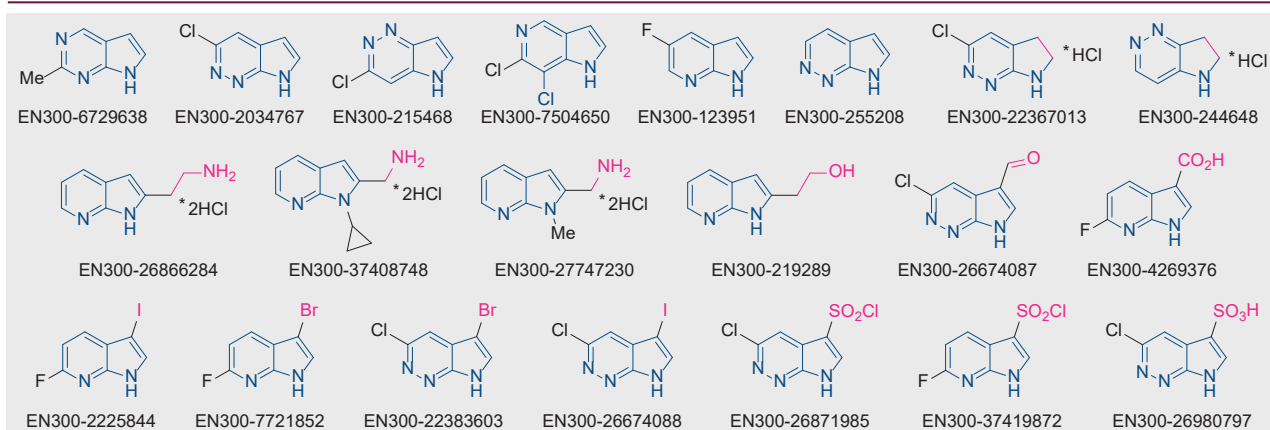


- The current research focuses on the two-step preparation and functionalization of purine isosters:**
- it includes (1) Sonogashira coupling (2) and a strong base or organometallic catalyst mediated cyclization.
 - the pathway is convenient, tolerates many FG and allows easy manipulating of the final product structure.

Research results



Showcasing product examples



Contact

Dmitriy M. Volochnyuk, Prof. Dr. Sci., d.volochnyuk@gmail.com;
Sergey V. Ryabukhin, Prof. Dr. Sci., s.v.ryabukhin@gmail.com