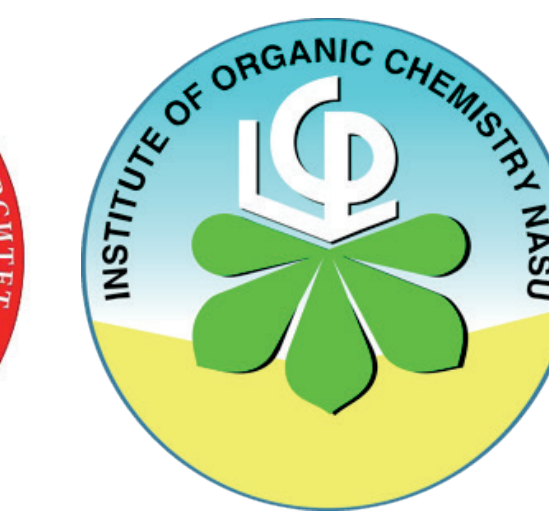
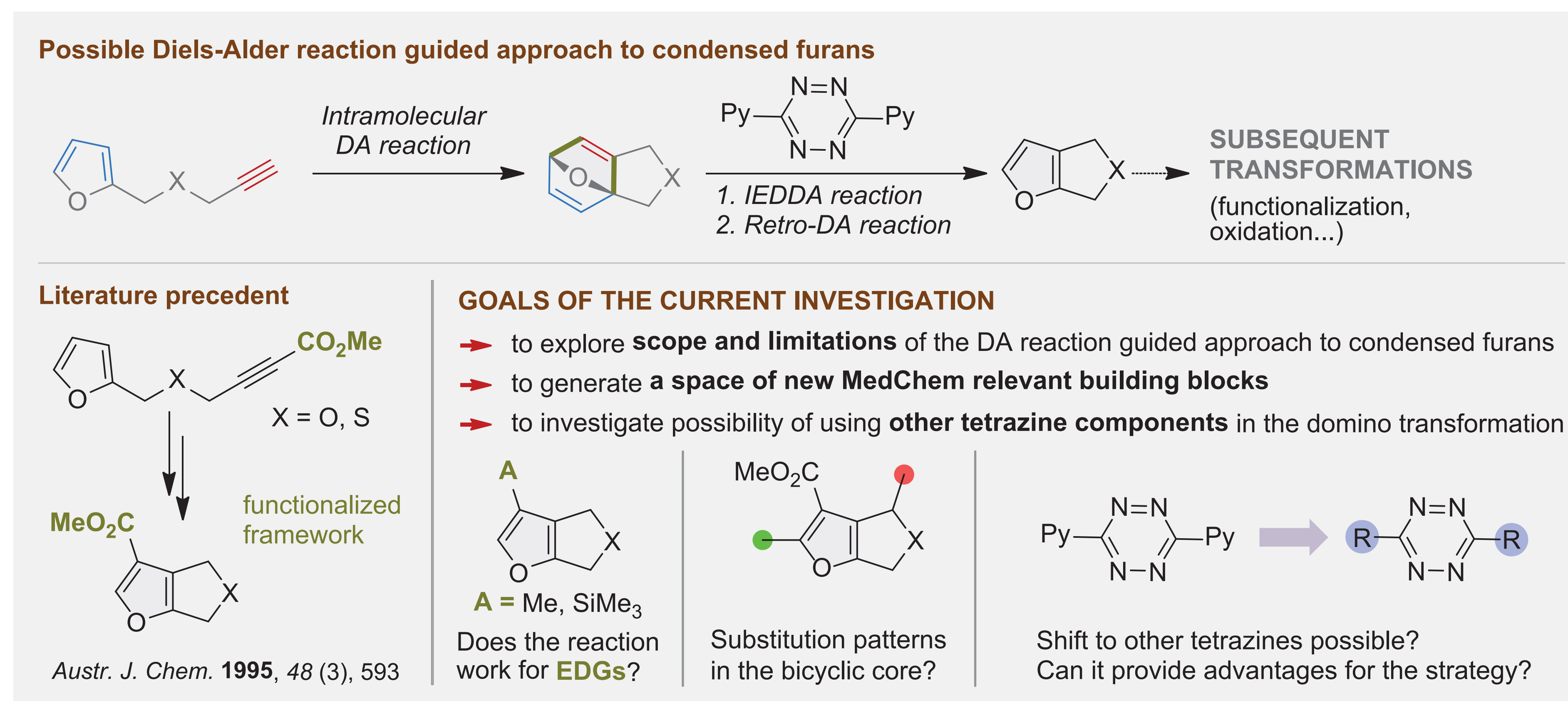


Intramolecular “substituent transferring” from alkynes to furans: scope and limitations

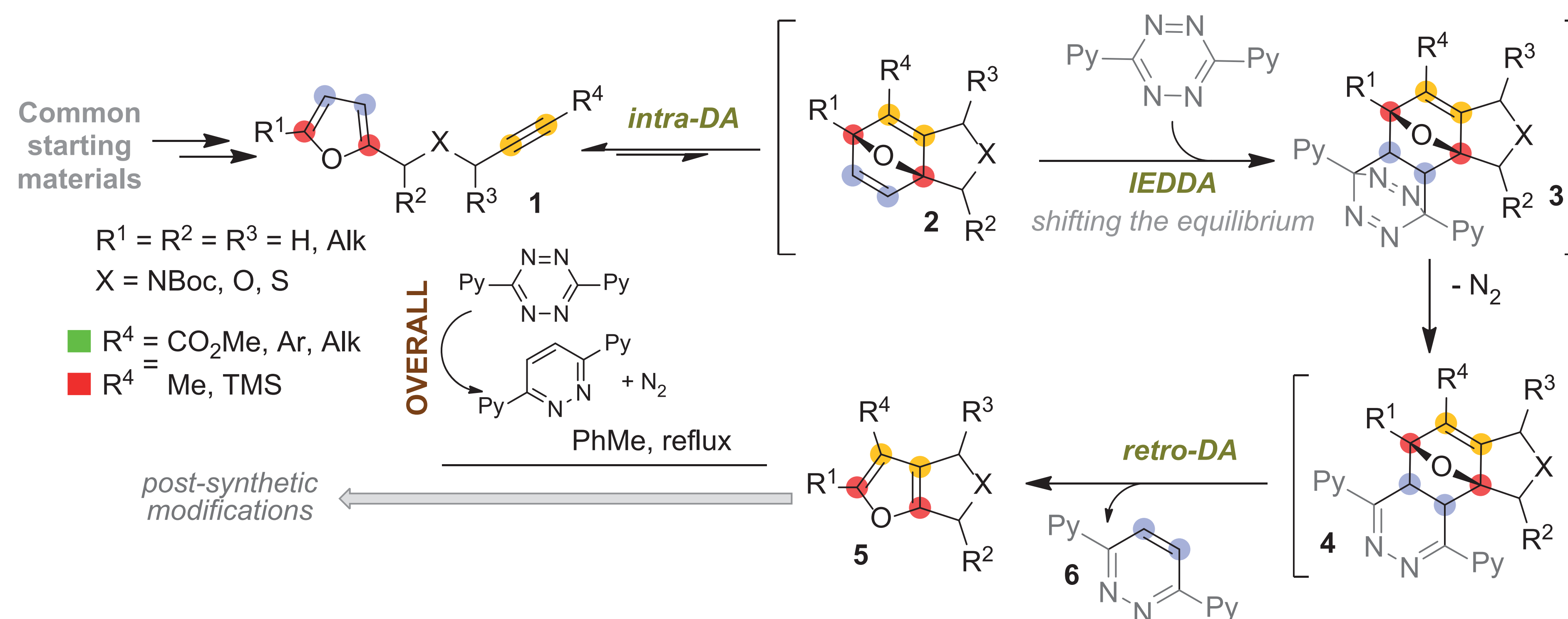


Igor Kishko, Eugeni Ostapchuk, Alla Vaskevich, Mykhailo Vovk, Dmytro Volochnyuk, Serhiy Ryabukhin

Background of the Project

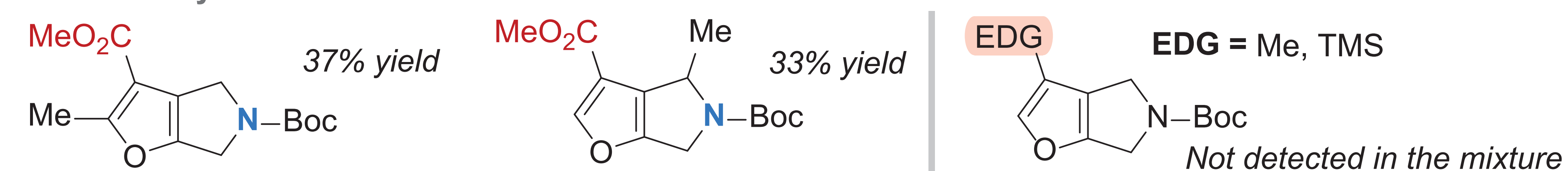


Synthetic Outline of the Project

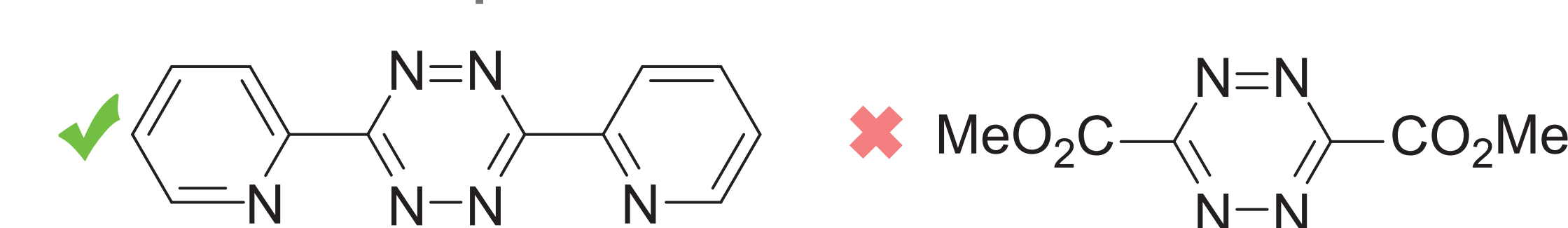


Scope & Limitations

– Preliminary results –



– Tetrazine component –

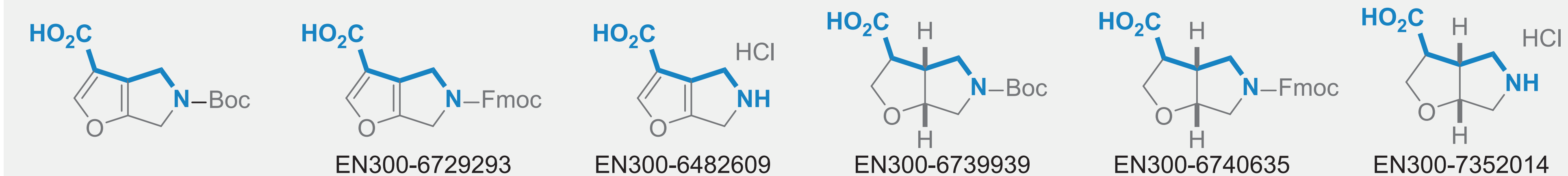


– SM structural variations –

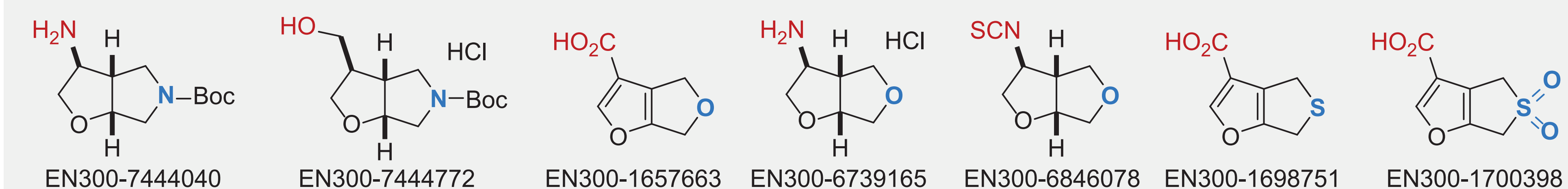
- ✓ 2-substituted furan
- ✓ SM with a substituted side chain
- ✗ EDG-substituted alkynes

Showcasing Examples

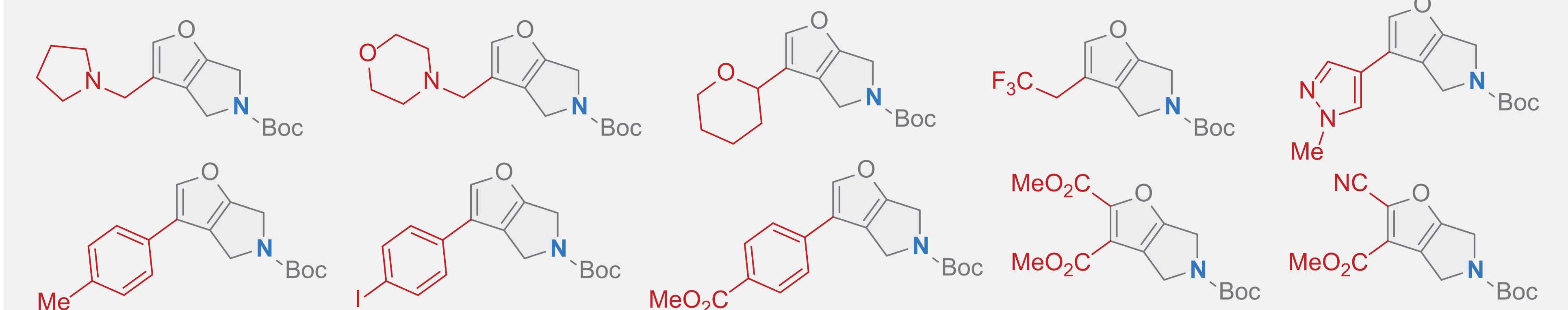
COMPOUNDS WITH INCORPORATED γ -AMINO BUTYRIC ACID (GABA) FRAGMENT FEATURING RESTRICTED CONFORMATIONAL FLEXIBILITY



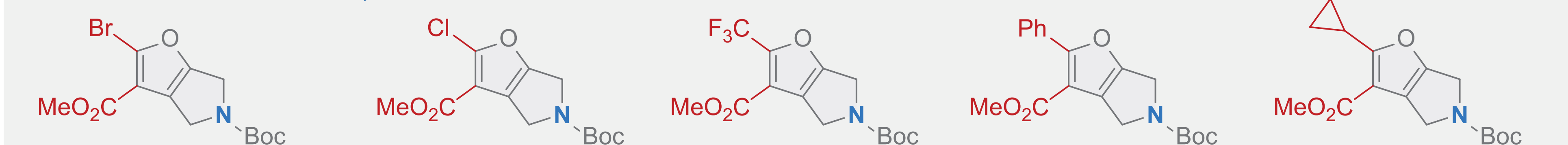
MEDCHEM RELEVANT BUILDING BLOCKS



NEW PROMISING DIRECTIONS OF EXPANDING THE RANGE OF THE TARGET CONDENSED FURANS



LOW CONVERSION RATES, CURRENTLY UNDER OPTIMIZATION



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