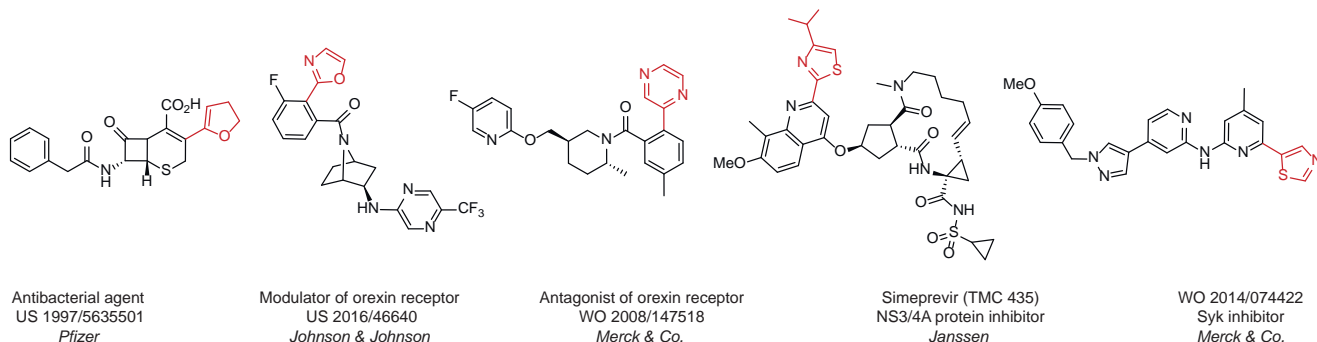


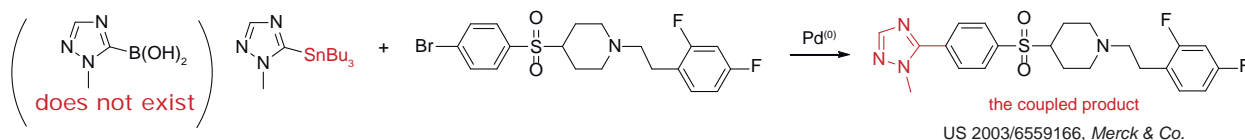
# Stannanes for Drug Design

## Introduction

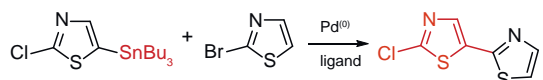
The Stille reaction has become one of the most powerful synthetic tools in organic chemistry. The Stille coupling as a versatile C-C bond forming reaction between stannanes and halides or pseudohalides, has very few limitations on the R-groups. Today, the Stille reaction constitutes a reliable and often-used method for the construction of carbocyclic and heterocyclic rings. Stannanes are stable and allow to prepare alternatives to unstable boronic acids or to be used in click chemistry.



## Advantages



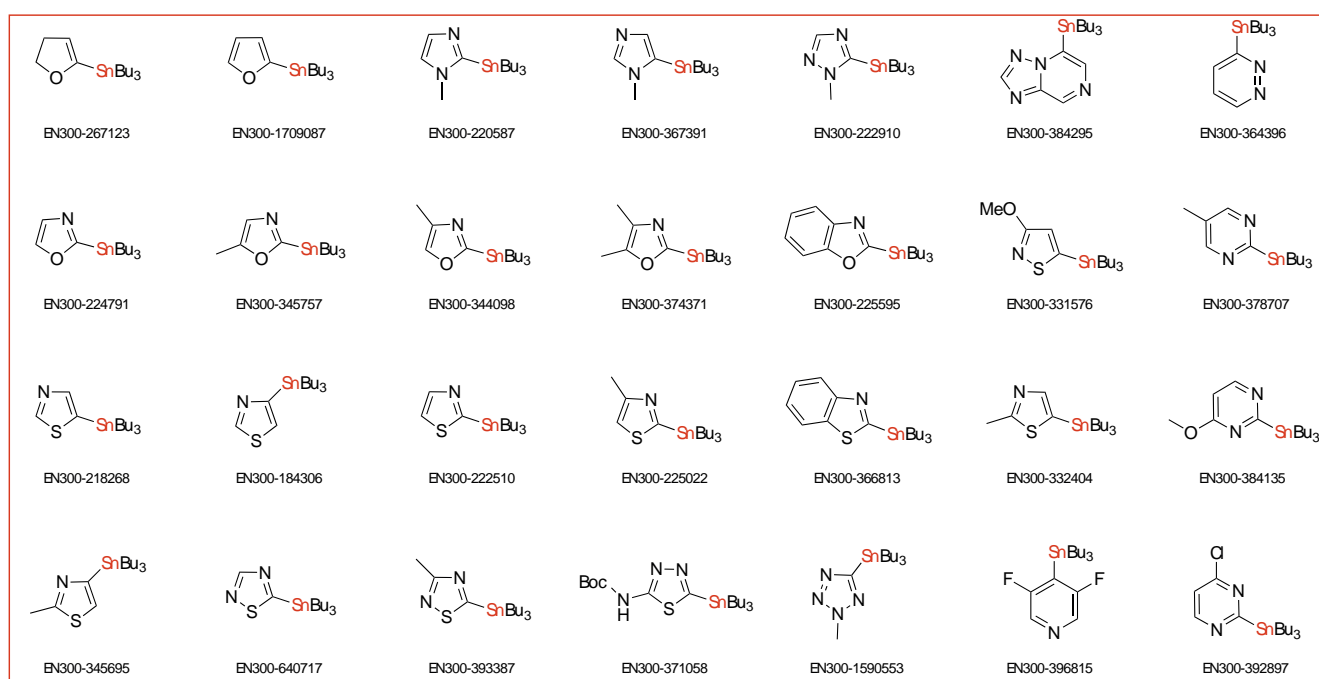
## Reactivity



## Properties

- readily prepared, purified and stored;
- tolerate a wide variety of functional groups;
- require mild reaction conditions;
- not sensitive to moisture or oxygen;
- allow to prepare alternative compounds to unstable boronic acids

## Our offer



## References

1 C. Cordovilla, *ACS Catal.* **2015**, 3040.  
2 M. M. Heravi *et al.* *Tetrahedron.* **2014**, 7.

3 K. C. Nicolaou *et al.* *Angew. Chem. Int. Ed.* **2005**, 4442.  
4 O. Krebs *et al.* *Org. Lett.* **2005**, 1063.



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