

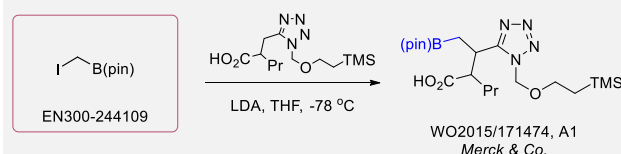
Aliphatic Pinacol Boronates for Medicinal Chemistry

Introduction

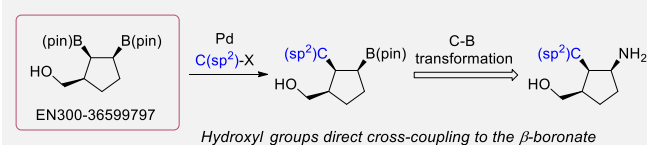
Alkyl pinacol boronic esters have been routinely used for the synthesis of complex target molecules due to their low toxicity and stability. They can participate in cross-coupling and other boron-based transformations. It is expected that there may be a demand from the chemical industry for readily diversifiable chiral building blocks for use in construction of new chemical libraries.¹⁻⁶ In this context, *Enamine* offers a library aliphatic pinacol boronates. We also have designed a library of pinacol boronates that are readily prepared in enantiomerically enriched fashion, and that can participate in cross coupling and other boron-based transformations.

Case studies

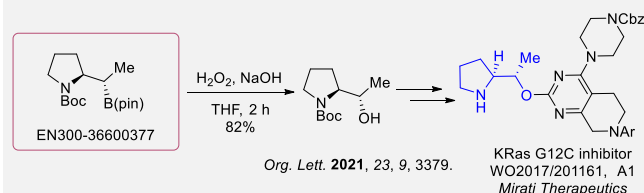
1). Boron-containing building blocks



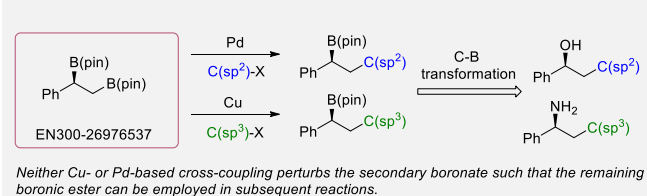
2). β -Hydroxyl boronates



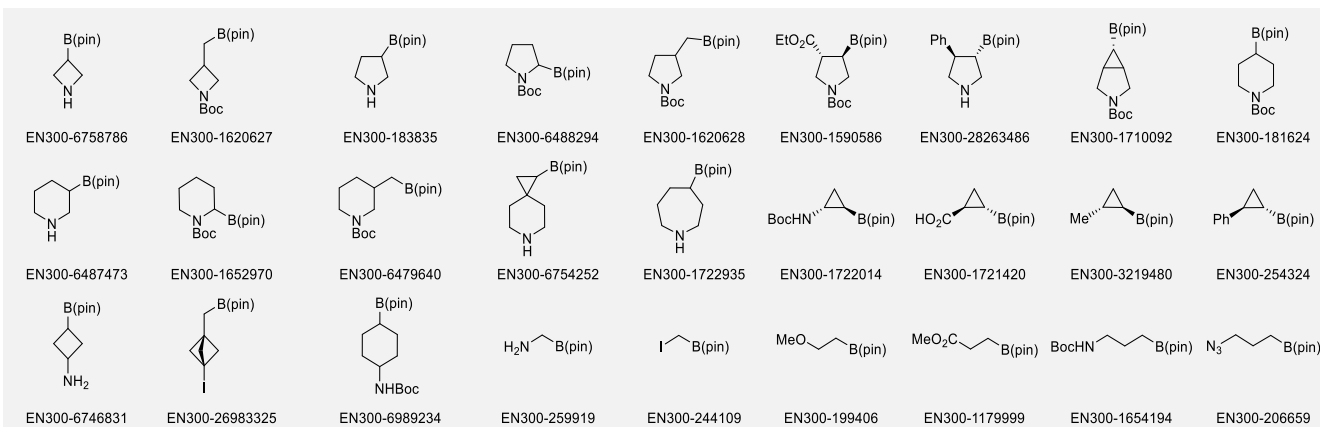
3). Enantiomerically-enriched boron-containing heterocycles



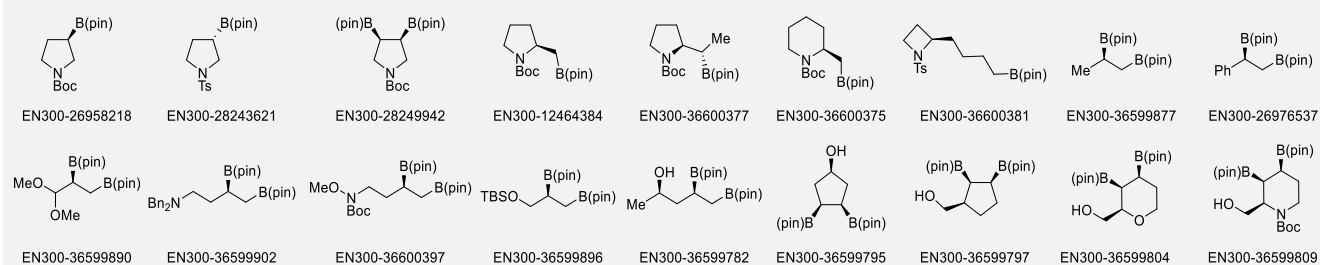
4). Simple bis(boryl) alkenes



We offer: >100 unique boron-containing building blocks



MADE (Make-on-Demand) Building Blocks. These molecules can be synthesized upon request within 4-6 weeks.



References

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- A. Vendola et al. *Org. Lett.* **2021**, 23, 8, 2863.
- P. Xu et al. *Org. Lett.* **2021**, 23, 9, 3379.
- T. P. Blaisdel et al. *J. Am. Chem. Soc.* **2015**, 137, 27, 8712.
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