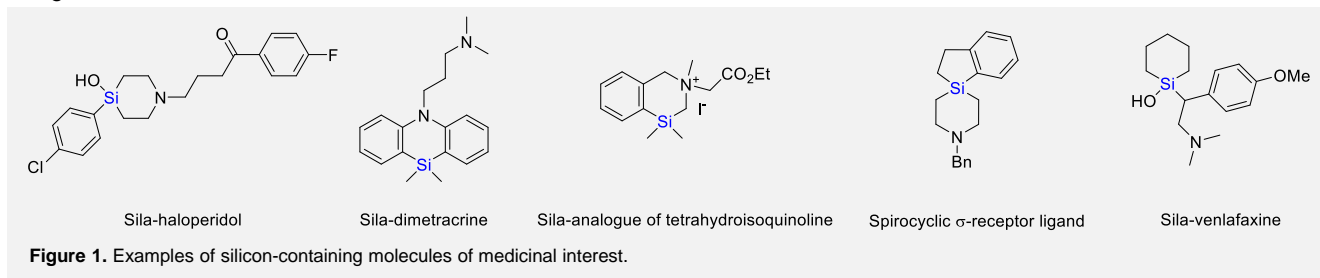


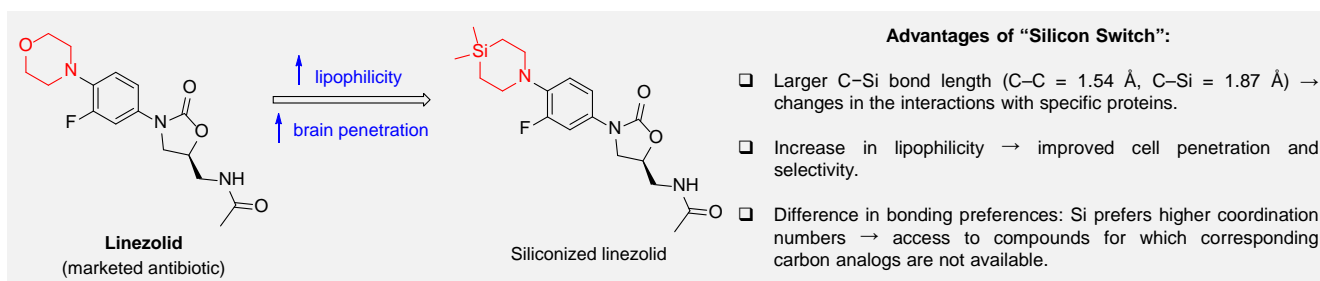
Silicon-Containing Building Blocks for Drug Design

Introduction

Silicon-containing compounds have been largely ignored in drug design until recently.¹ Silicon can be considered a bioisostere of carbon and hence offers an innovative avenue in drug discovery. For example, C/Si exchange in drug-like scaffolds provides an exciting approach in medicinal chemistry to improve ADME/Tox profile and to enhance potency of the biologically active compounds (Figure 1).²⁻⁶ Herein we have designed and synthesized a library of silicon-containing building blocks for drug design.

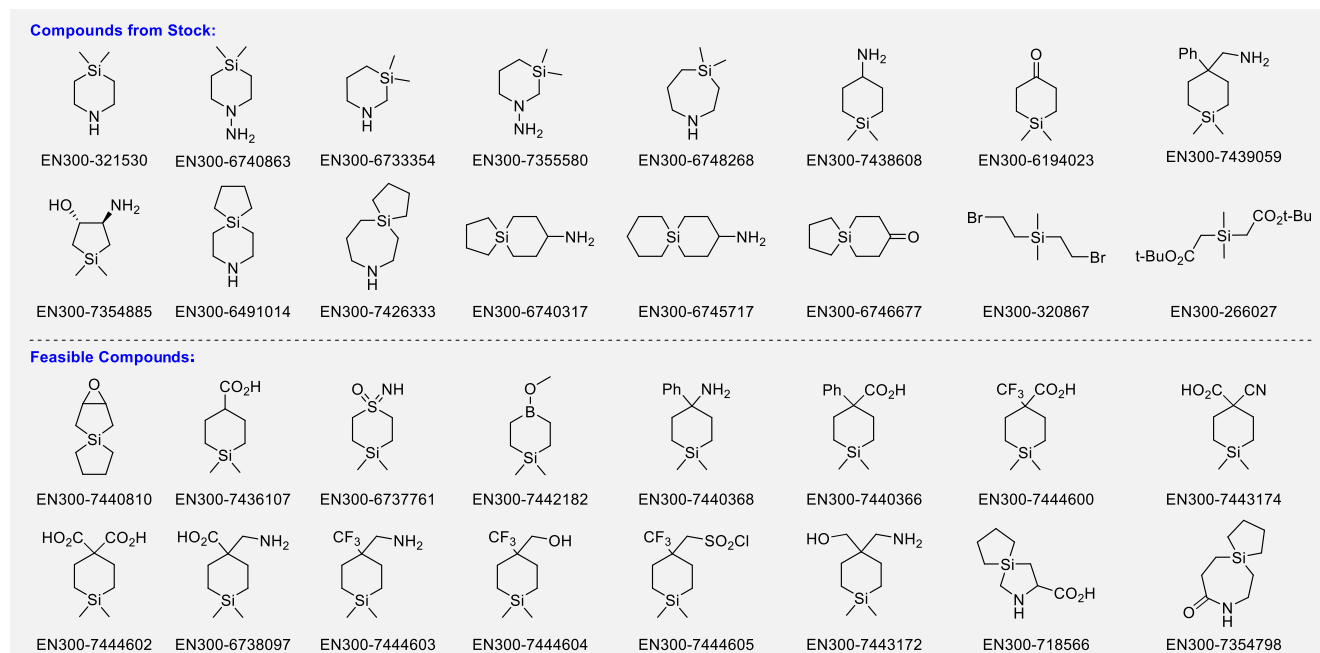


Design



We offer

Over 15 unique silicon-containing building blocks on a 1-30 g scale from stock. We also have designed a library of silicon-containing building blocks for drug discovery programs. These molecules can be synthesized upon request within 4-6 weeks.



References

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