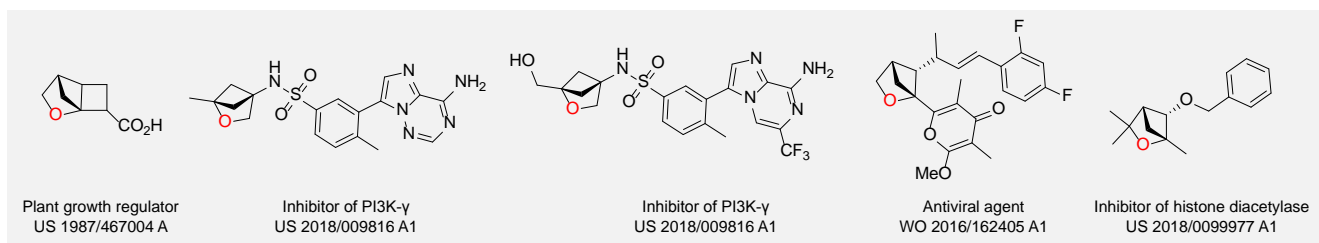


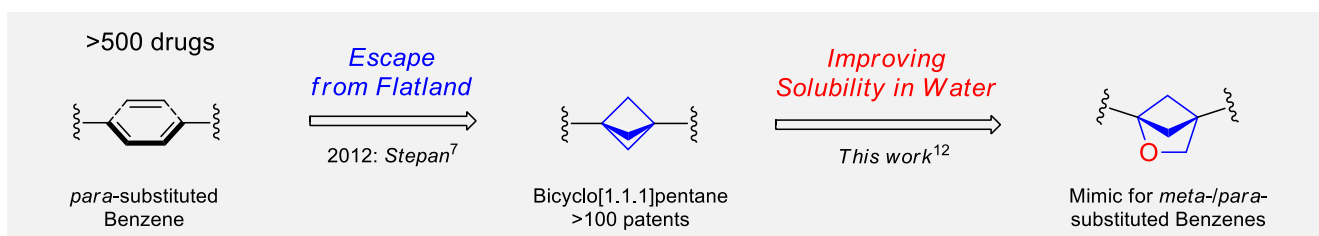
Saturated Bioisosteres of Benzene with Improved Solubility

Introduction

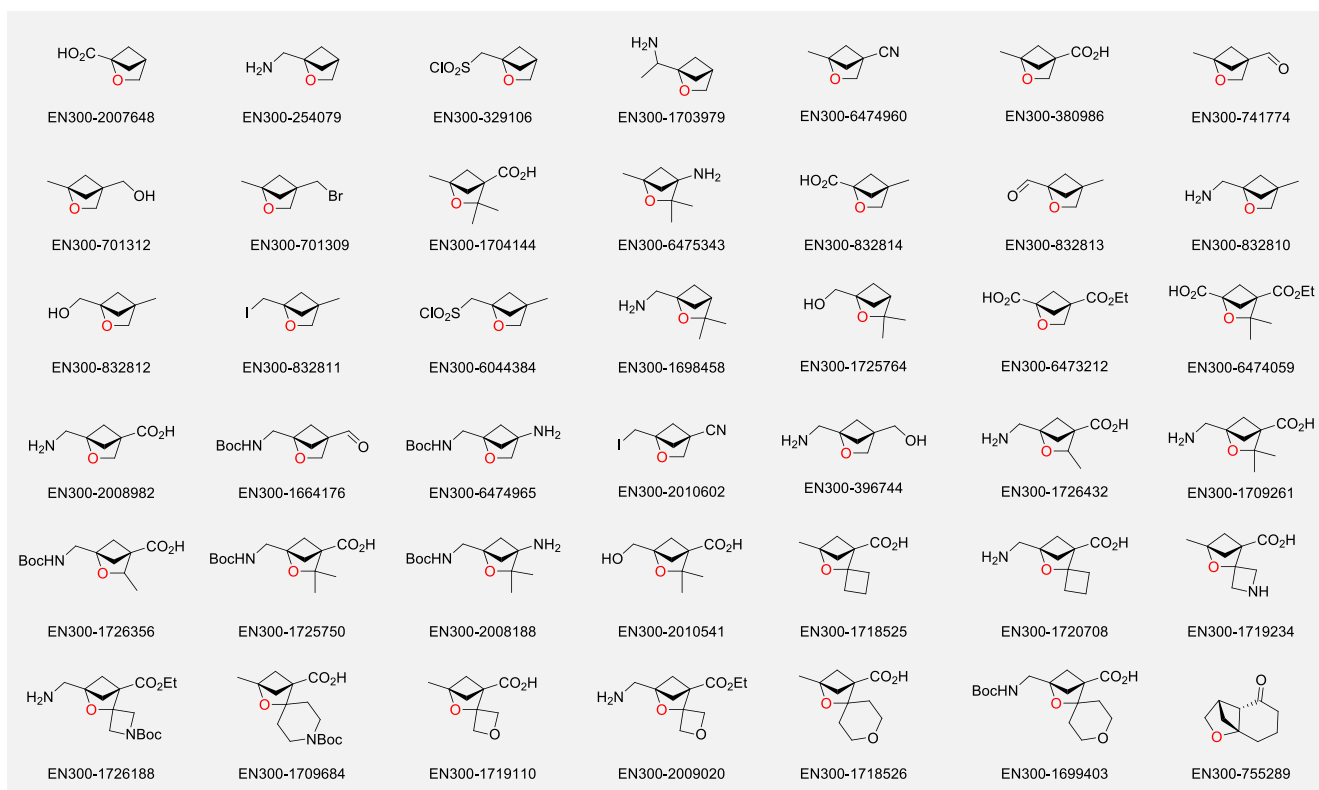
"Escape the Flatland" concept has already gained considerable attention in medicinal chemistry.^{1,2} Scientists are looking more and more now for 3D-shaped saturated building blocks.³⁻⁷ In this context, conformationally rigid bicyclic tetrahydrofurans are intrinsically promising for drug discovery. In continuation of our ongoing program towards novel building blocks for drug discovery,⁸⁻¹¹ herein we have designed and synthesized a library of saturated mimics of the benzene ring with improved solubility in water.¹²



Design



We offer more than 100 *mono*- and *dis*ubstituted benzene mimics with improved water solubility from stock on a 5-10 g scale:



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