Conformationally-rigid pyrrolidines with improved water solubility

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Introduction and Aim

“Conformational restriction” concept has already gained considerable attention in medicinal chemistry. Scientists are looking more and more now for 3D-shaped saturated building blocks for drug discovery. In continuation of our ongoing program towards novel building blocks for drug discovery, herein we synthesized libraries of diverse bicyclic amines by photochemical [2+2]-cyclization as a key step.

Results

Synthesis

In this context, conformationally rigid bicyclic amines are intrinsically promising for drug discovery. In this context, conformationally rigid bicyclic amines are intrinsically promising for drug discovery. In continuation of our ongoing program towards novel building blocks for drug discovery, herein we synthesized libraries of diverse bicyclic amines by photochemical [2+2]-cyclization as a key step.

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References