Design and synthesis of novel 3D-shaped building blocks to “Escape the Flatland”


Introduction and Aim

“Escape the Flatland” concept has already gained considerable attention in medicinal chemistry. Scientists are looking more and more now on 3D-shaped saturated building blocks. For example, in 2012 chemists at Pfizer showed that replacing benzene ring in BMS-108,163 by bicyclo[1.1.1]pentyl skeleton beneficially affected activity and ADMET-characteristics of the compound. In this context, herein we have carefully designed and synthesized a library novel 3D-shaped building blocks to “Escape the Flatland”.

Synthesis

Results

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References