Synthesis of 3-Azabicyclo[3.1.1]heptanes


Introduction and Aim

In 2022, bicyclo[3.1.1]heptanes were demonstrated to mimic the fragment of meta-substituted benzenes in biologically active compounds. Both cores had similar angles between the exit vectors (119-120°), a similar distance between substituents (4.8-5.0 Å), and similar physicochemical properties. Here, we unexpectedly developed a general approach to their aza-analogs: 3-azabicyclo[3.1.1]heptanes.

Synthesis


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References