

Reaction of 9-Borabicyclo[3.3.1]nonane with N-Trimethylsilylamines – Cleavage of the N-Si or N-H Bond

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NMR Data

The reaction of dimeric 9-borabicyclo[3.3.1]nonane **1** with N-trimethylsilyl-aniline **2** affords 9-anilino-9-borabicyclo[3.3.1]nonane **5** by elimination of trimethylsilane. In contrast, **1** reacts with the N-trimethylsilyl-2-aminopyridines **3** and **4** selectively by elimination of H₂ to give the corresponding N-trimethylsilyl-aminoboranes **6** and **7**. The latter reactions proceed via formation of borane-pyridine adducts.

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