**Table S9.** Relative energies and Boltzmann populations of stable conformers of alanine.

|  |  |  |
| --- | --- | --- |
| **Entry No.** | **Δ*E*** **(kcal/mol)** | **Population 1** |
| 1 | 0.0 | 1.0 |

1 Relative population is calculated by the Boltzmann distribution at a temperature of 298 K.