

Figure S7. Relative energies of the conformers of (BMIM)(Hep) with respect to the most stable conformer

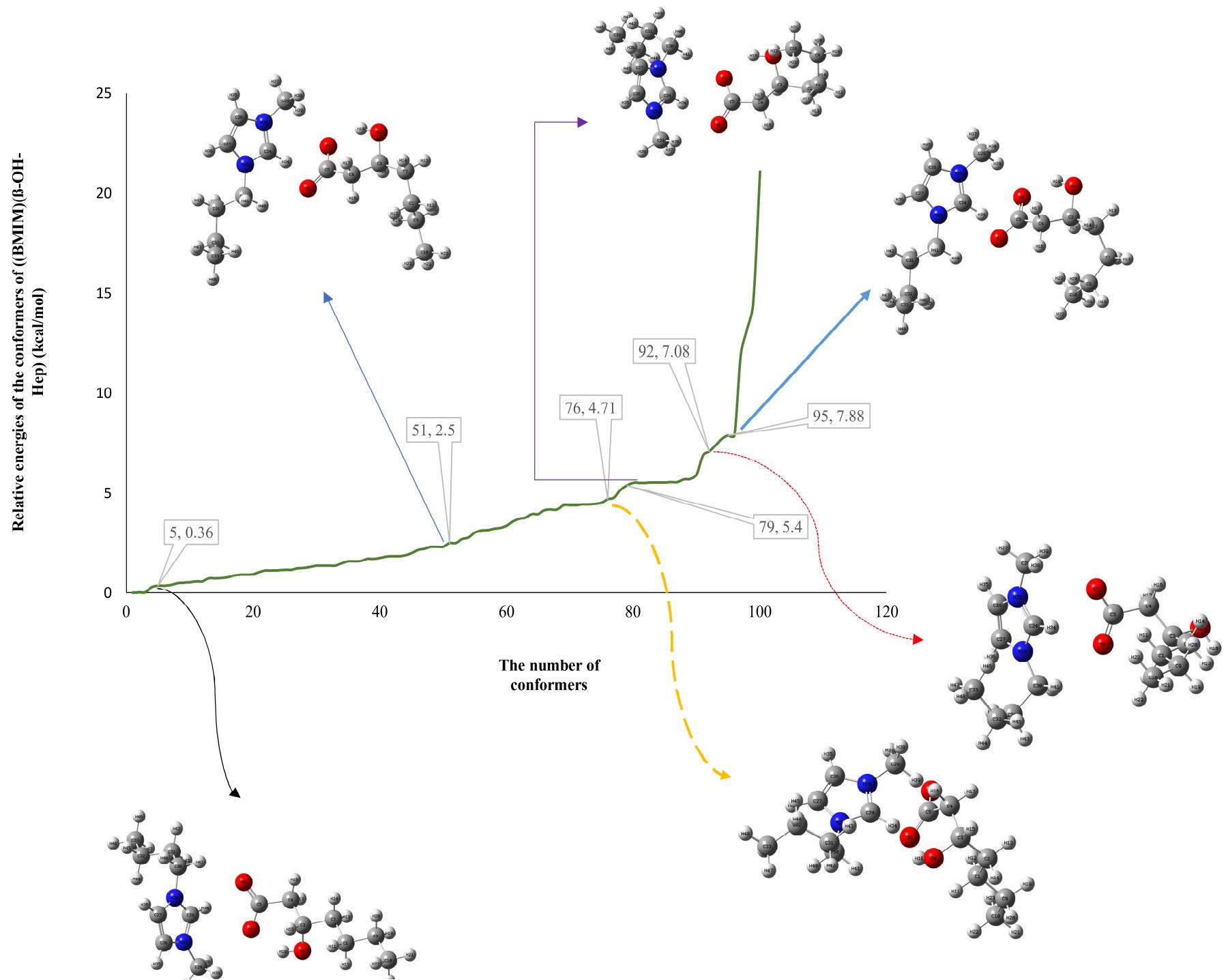


Figure S8. Relative energies of the conformers of (BMIM)(β -OH-Hep) with respect to the most stable conformer

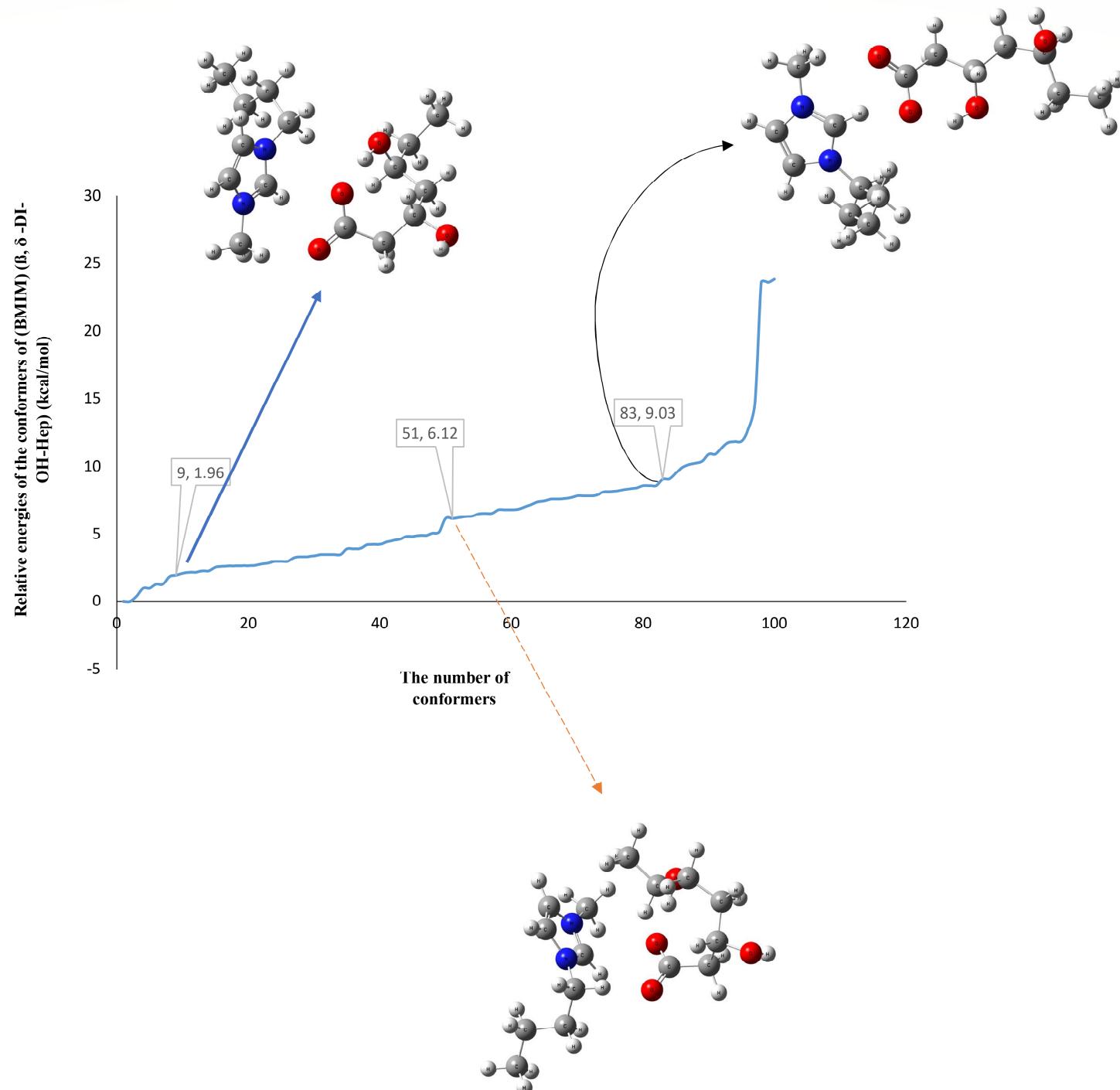


Figure S9. Relative energies of the conformers of (BMIM) (β, δ -DI-OH-Hep) with respect to the most stable conformer

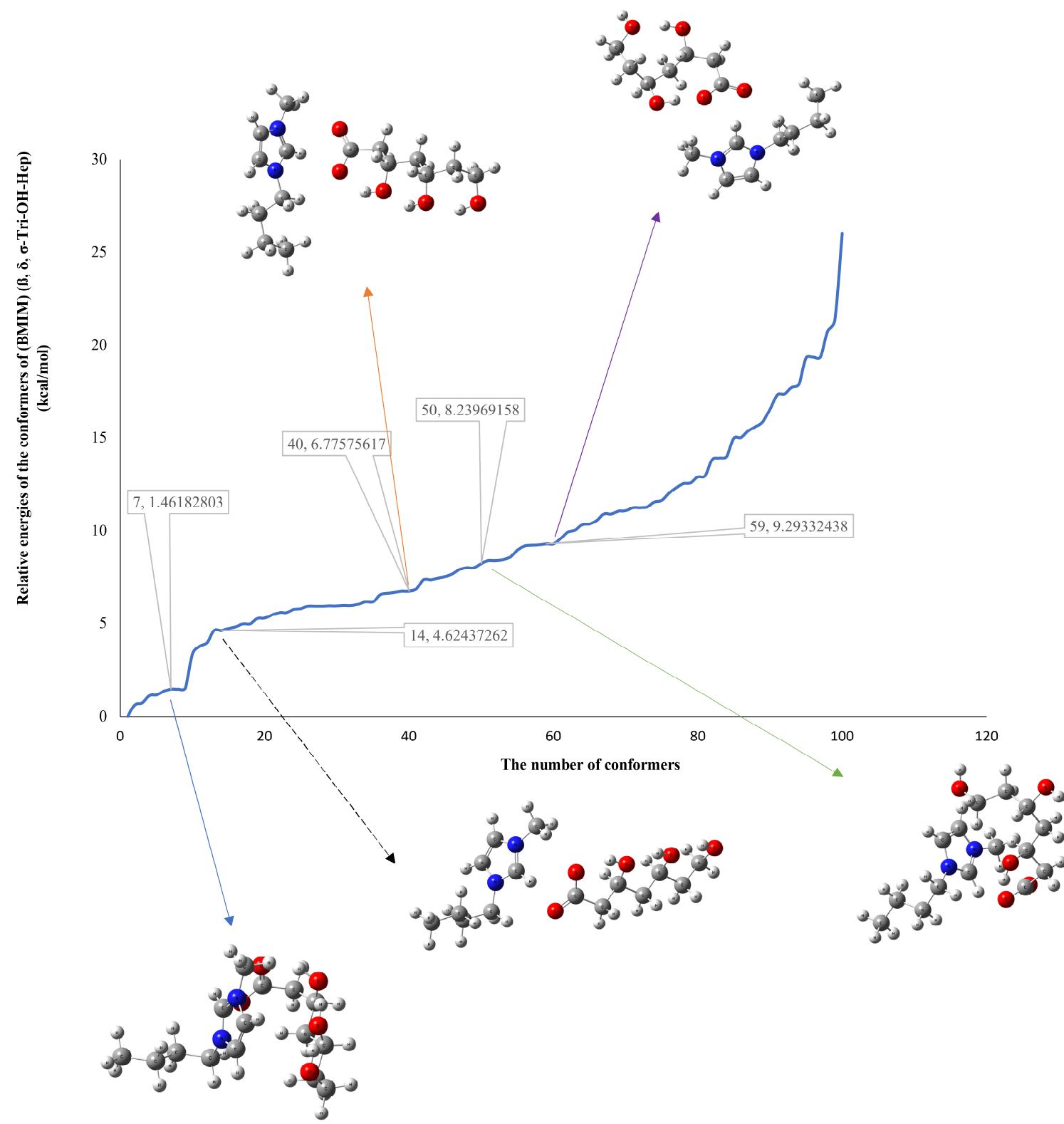


Figure S10. Relative energies of the conformers of (BMIM) (β, δ, σ -Tri-OH-Hep) with respect to the most stable conformer

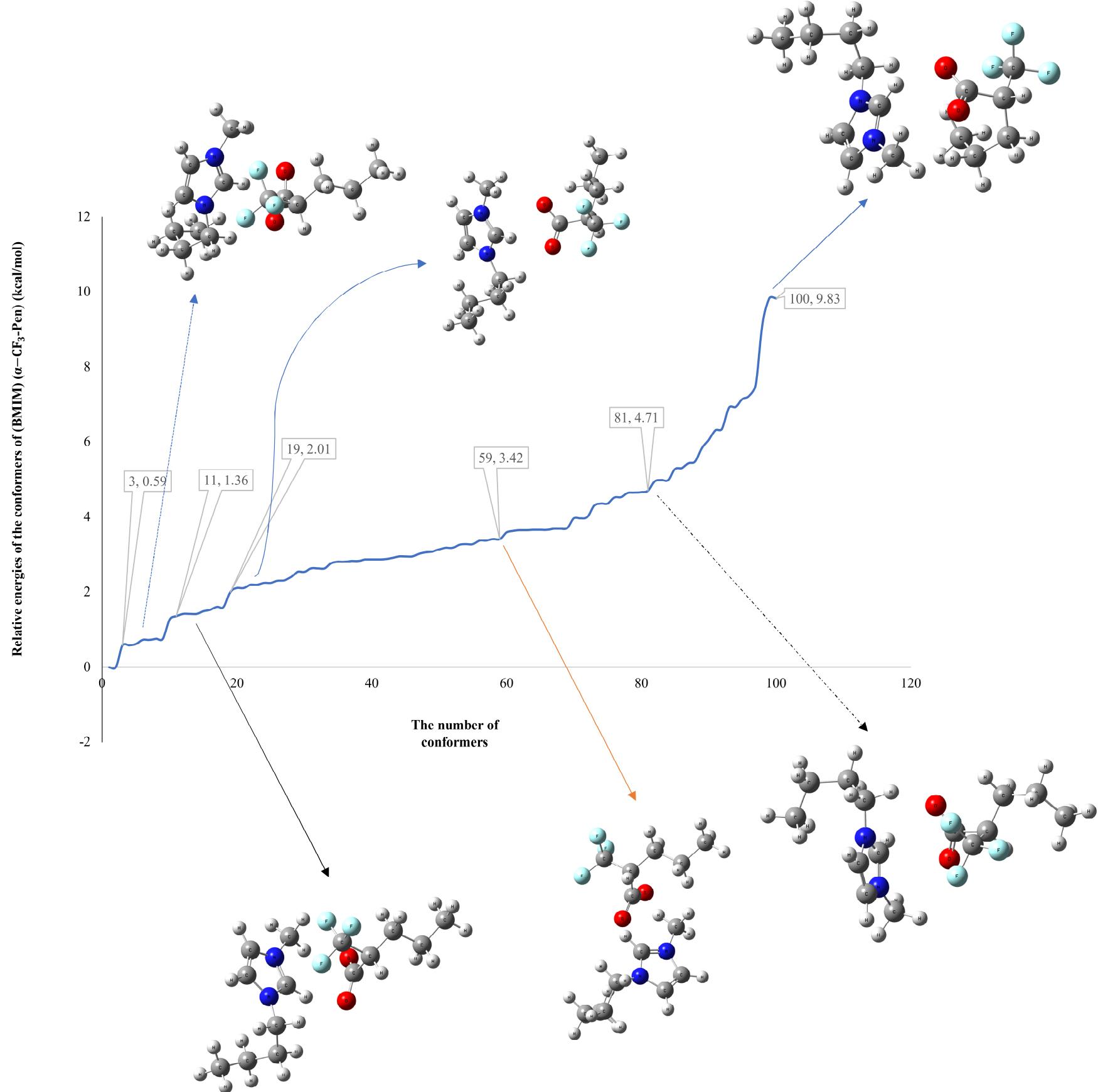


Figure S11. Relative energies of the conformers of (BMIM) (α - CF_3 -Pen) with respect to the most stable conformer

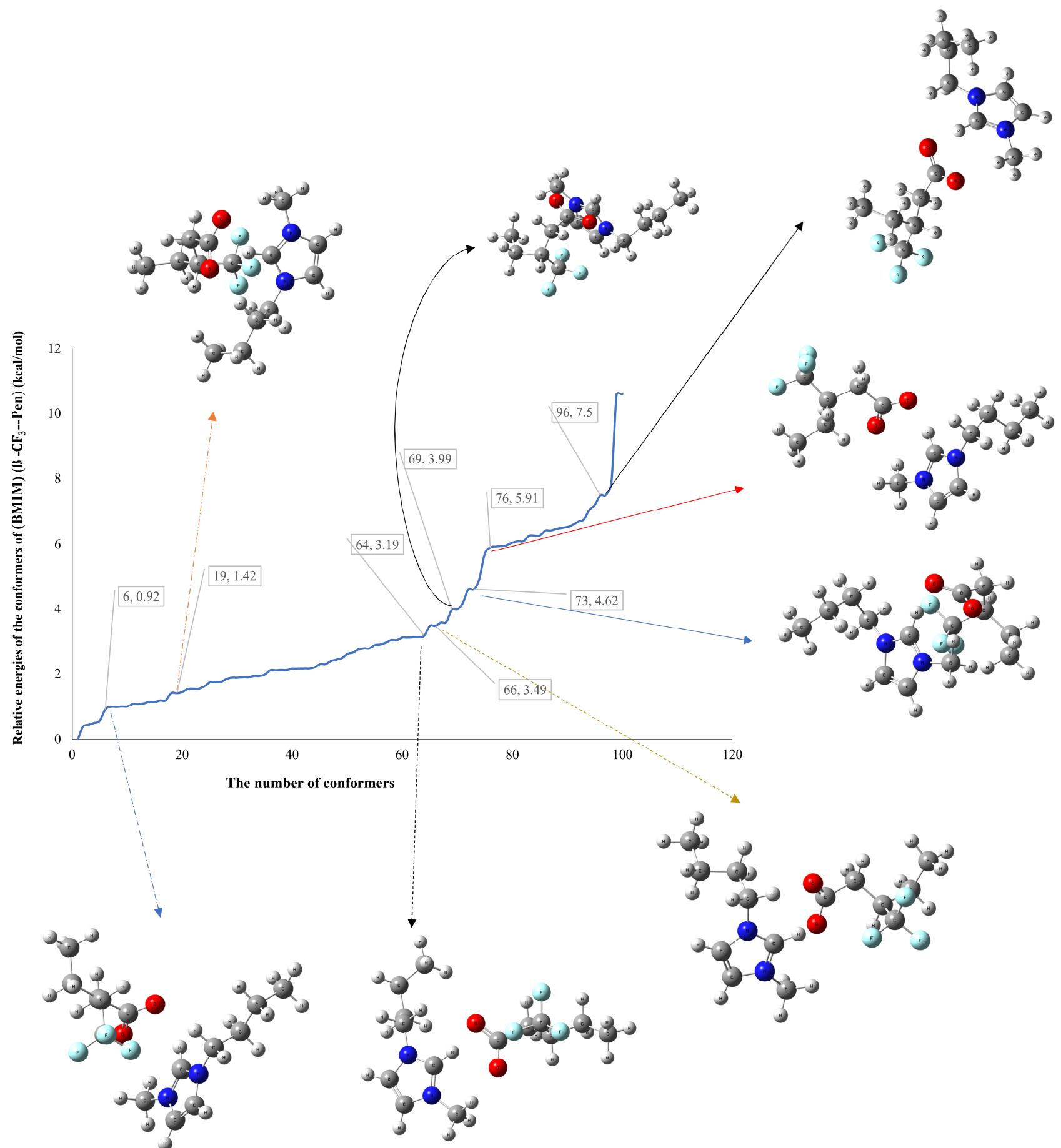


Figure S12. Relative energies of the conformers of (BMIM)(β -CF₃-Pen) with respect to the most stable conformer