Class to calculate intermolecular potential based on atomic coordinates in the PDBQT format. It calculates the potential energy based on Assisted Model Building with Energy Refinement (AMBER) force field (Cornell et al., 1995) using the energy terms derived from the AutoDock4 (Morris et al., 1998). The traditional 12/10 potential energy is modified to adapt to the data set used to train the scoring function. We vary the exponents (m and n parameters) in order to scan the scoring function space (Heck et al., 2017) to find the hydrogen-bond potential adequate to the system being modeled.