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AMBER 99 custom parameters
Electrostatic 1-4 scaling factor
                                    0.833333
Relative dielectric constant
                                1.000000
Parameters epsilon R*
Atoms
OWS
      15.99940 7.11280E-01 1.68370E-01
                                                                  1 1111111111
             8 3.55640E-01 1.68370E-01
      35.45300 0.41840E+00 2.47000E-01
                                                                  1 1111111111
            17 0.20920E+00 2.47000E-01
Bonds
OWS -HWS
             0.10000 0.46275E+06
Angles
HWS -OWS -HWS
                   1.91061 8.36800E+02
Proper dihedrals
    -C
          -OH -HO
                         0.00000 7.94960E+00
                                               1
Improper dihedrals
          -CM -CT
    -C
                         3.14159 4.60240E+00
End
```

- 1. NWChem amber.par file is format sensitive
- 2. Units are based on kj/mol, nm, and rad
- 3. Bond, angle constants are twice than those of AMBER
- 4. Dihedral constant has division by number of paths built in
- 5. Put your amber.par in the directory where you are running prepare
- 6. Use Q flag to restrict VDW parameters to QM atoms only