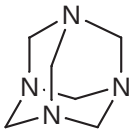
Table 5 . Average C-N bond distances along with the puckering parameters of the six-membered C-N-C-N-C-N rings of the HMT



T=300 K	T=143 K
Average C-N=1.474(3)Å Q_2=0.014(2)Å Q_3=0.592(2)Å Q_T=0.593(2)Å θ=0.4(2)º	Average C-N=1.480(3)Å Q_2=0.009(3)Å Q_3=0.596(3)Å Q_T=0.596(3)Å θ=0.0(3)º
Average C-N=1.474(3)Å Q_2=0.014(2)Å Q_3=0.592(2)Å Q_T=0.593(2)Å θ=0.4(2)º	Average C-N=1.480(3)Å Q_2=0.017(3)Å Q_3=0.600(3)Å Q_T=0.600(3)Å θ=1.8(3)º
Average C-N=1.471(3)Å Q_2=0.008(2)Å Q_3=0.598(2)Å Q_T=0.598(2)Å θ=1.6(2)º	Average C-N=1.479(3)Å Q_2=0.007(2)Å Q_3=0.597(2)Å Q_T=0.5973)Å θ=2.1(3)º
Average C-N=1.469(3)Å Q_2=0.004(2)Å Q_3=0.584(2)Å Q_T=0.585(2)Å θ=1.1(2)º	Average C-N=1.473(3)Å Q_2=0.009(3)Å Q_3=0.578(3)Å Q_T=0.578(3)Å θ=0.0(3)º

Note : All the rings adopt a chair conformation.