

TABLE 7.1 Radii of molecules deduced from different methods

Molecule	Minimum radius, from van der Waals coefficient b^a Eq. (7.1) (nm)	Mean radius (van der Waals packing radius, from Fig. 7.1) (nm)	Maximum radius, from volume occupied in liquid at 20°C, Eq. (7.2) (nm)
CH ₃ OH	0.19	0.21	0.23
CHCl ₃	0.22	0.26	0.29
C ₆ H ₆	0.23	0.27	0.30
CCl ₄	0.24	0.28	0.305

^a Constants b taken from the *Handbook of Chemistry and Physics*, CRC Press, 56th ed.