VDW EOS:
Correlation between $a$ (bar L$^2$/mol$^2$) and $b$ (L/mol)
(Source: CRC Handbook of Chemistry and Physics)

Wrong value for Kr!
See also Atkins10, Table 1C.3
van der Waals equation of state:
Correlation between \(a\) (atm \(L^2/mol^2\)) and \(b\) (L/mol) for noble gases

Note: Critical constants obtained from

\[
a = \frac{(27R^2 Tc^2)}{(64Pc)} \\
b = \frac{(RTc)}{(8Pc)}
\]

Correct(ed) values:
\(a = 2.294\) atm \(L^2/mol^2\)
\(b = 0.0396\) L/mol
(see Table 1C.3, Atkins10)