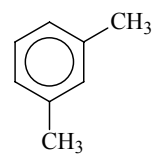


844  
MW $\text{C}_8\text{H}_{10}$ **1,3-Dimethylbenzene**  
*m*-Xylene $\text{G}_{36}$ 

$\theta_0$	deg
$\alpha^{\text{a)}}$	30.2275(215)
$\beta^{\text{b)}}$	59.7725(215)



The internal rotation barrier  $V_3$  is  $53.6 \text{ J mol}^{-1}$ .

<sup>a)</sup> Angle between the internal rotational axis and the *a* principal inertial axis.

<sup>b)</sup> Angle between the internal rotational axis and the *b* principal inertial axis.

Thomsen, C., Dreizler, H.: Z. Naturforsch. A **56** (2001) 635.