

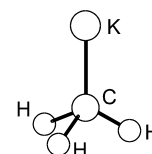
## Structure Data of Free Polyatomic Molecules

 117  
MW

**CH<sub>3</sub>K**
**Methylpotassium**  
Potassium methanide

**C<sub>3v</sub>**  
CH<sub>3</sub>K

$r_s^a)$	Å	$\theta_s^a)$	deg
K–C	2.633(5)	H–C–H	107.0(1)
C–H	1.135(5)		



<sup>a</sup>) Partial  $r_s$  structure derived using rotational constants of the normal species combined with those of CH<sub>3</sub><sup>41</sup>K and CD<sub>3</sub>K.

Grotjahn, D.B., Pesch, T.C., Brewster, M.A., Ziurys, L.M.: J. Am. Chem. Soc. **122** (2000) 4735.