

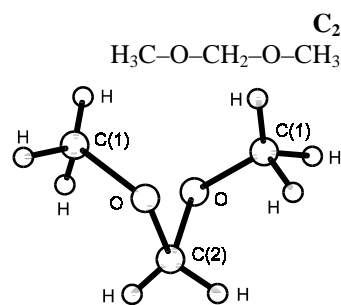
1350  
ED

**C<sub>3</sub>H<sub>8</sub>O<sub>2</sub>**

**Dimethoxymethane**

$r_a$	Å <sup>a)</sup>
C(1)–O	1.432(4)
C(2)–O	1.382(4)
C–H	1.108(4)

$\theta_a$	deg <sup>a)</sup>
C–O–C	114.6(5)
O–C–O	114.3(7)
O–C–H	110.3(6)
$\tau_1$ <sup>b)</sup>	116.7(9)
$\tau_2$ <sup>c)</sup>	19.8(20)
$\phi$ <sup>d)</sup>	63.3(9)



The nozzle was at room temperature.

<sup>a)</sup> Estimated standard errors.

<sup>b)</sup> Effective twist angle of the methoxy groups about the central C(2)–O bonds.

<sup>c)</sup> Effective twist angle of the methoxy groups about the terminal C(1)–O bonds.

<sup>d)</sup> Effective dihedral angle C–O–C–O.

Astrup, E.E.: Acta Chem. Scand. **27** (1973) 3271.

See also: Astrup, E.E.: Acta Chem. Scand. **25** (1971) 1494.