

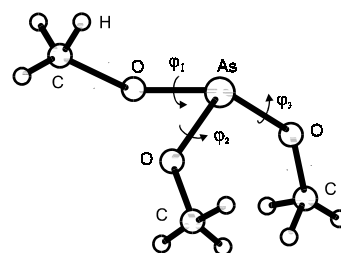
1368
ED

C₃H₉AsO₃

Trimethyl arsenite

C₁ (*gauche-gauche-trans*)
As(OCH₃)₃

$r^a)$	$\text{\AA}^b)$	$\theta^a)$	deg ^{b)}
As–O	1.780(2)	As–O–C	115.0(18)
C–O	1.451(5)	O–As–O	99.5(23)
C–H	1.101(10)	O–C–H	115.3(35)
		$\varphi_1^c)^d)$	52.3(39)
		$\varphi_2^c)^d)$	58.0(37)
		$\varphi_3^c)^d)$	152.8(39)



The measurements were made at room temperature.

^{a)} Unidentified, possibly r_a and θ_a .

^{b)} Three times the estimated standard errors.

^{c)} C–O–As–lp torsional angle; lp is the lone pair at the As atom.

^{d)} $\varphi = 0^\circ$ for the *syn* position.

Knyashev, B.A., Kuchkaev, B.I., Vasil'ev, A.C., Kuznetsova, N.B., Vakher, V.F.: *Vysokochist. Veshestva* **1** (1994) 113.