

1369
ED

C₃H₉AsS

Trimethylarsine sulfide

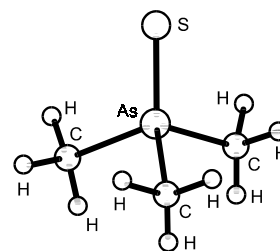
C₃
SAs(CH₃)₃

r_a	\AA^a	θ_a	deg^a
As=S	2.059(3)	S=As-C	113.4(4)
As-C	1.940(3)	C-As-C	105.2(5)
C-H	1.105(8)	As-C-H	108.6(17)
		S=As-C-H ^{b)}	27.5(76)

With models simulating free rotation of the methyl groups, approximately the same parameter values were obtained. The nozzle temperature was 170...175 °C.

^{a)} Twice the estimated standard errors including a systematic error.

^{b)} From *syn* position.



Wilkins, C.J., Hagen, K., Hedberg, L., Shen, Q., Hedberg, K.: J. Am. Chem. Soc. **97** (1975) 6352.