

1830
ED

C₄H₁₀Zn

Diethylzinc

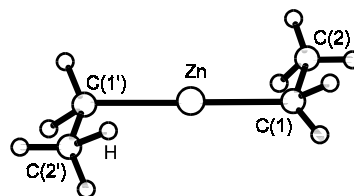
C₂ assumed
H₃C–CH₂–Zn–CH₂–CH₃

r_a	Å ^{a)}	θ_α	deg ^{a)}
Zn–C	1.950(2)	Zn–C–H	107.9(8)
C–C	1.540(3)	Zn–C–C	114.5(3)
C–H	1.105(4)	C(1)–C(2)–H	114.0(13)
		H–C(1)–H	106 ^{b)}

Methyl hydrogens are in staggered conformation.
No significant deviation from free internal rotation
of the C–C bonds around the C–Zn–C axis was
indicated. See Diethylcadmium.
The nozzle temperature was 30 °C.

^{a)} Estimated standard errors.

^{b)} Assumed.



Almenningen, A., Helgaker, T.U., Haaland, A., Samdal, S.: Acta Chem. Scand. Ser. A **36**
(1982) 159.