



>>Entry Name: Bis(glycinato)zinc

Synonym(s): Zinc glycinato

CAS Registry Number: 14281-83-5

Related CAS Registry Numbers(s): 28678-61-7

$\text{Zn}(\text{H}_2\text{NCH}_2\text{COO})_2$

Molecular Formula: $\text{C}_4\text{H}_8\text{N}_2\text{O}_4\text{Zn}$

Molecular Weight: 213.508

Accurate Mass: 211.977553

Percentage Composition: C 22.50%; H 3.78%; N 13.12%; O 29.97%; Zn 30.63%

Source/Synthesis: Prepd. from ZnO + glycine in boiling H_2O

Physical Description: Cryst. + H_2O (H_2O or aq. EtOH)

Melting Point: Mp 319 dec.°

Solubility: Sol. H_2O

References:

Low, B.W. *et al.*, *J.A.C.S.*, 1959, **81**, 4412, (*synth, cryst struct, hydrate*)

Nakamoto, K. *et al.*, *J.A.C.S.*, 1961, **83**, 4528, (*ir*)

Krishnan, K. *et al.*, *Inorg. Chem.*, 1967, **6**, 55, (*Raman*)