

(N-Benzyl-N-ethyldithiocarbamato)di-tert-butylchloridotin(IV).

ABSTRACT

The SnIV atom in the title diorganotin dithiocarbamate, [Sn(C₄H₉)₂Cl(C₁₀H₁₂NS₂)], is pentacoordinated by an asymmetrically coordinating dithiocarbamate ligand, a Cl and two C atoms of the Sn-bound tert-butyl groups. The resulting C₂ClS₂ donor set defines a coordination geometry intermediate between square pyramidal and trigonal bipyramidal with a slight tendency towards the former. In the crystal structure, C-H...[pi] contacts link centrosymmetrically related molecules into dimeric aggregates.

Keyword: SnIV atom; Diorganotin dithiocarbamate; Compound.