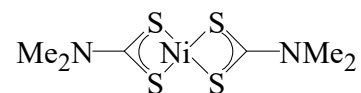




>>Entry Name: Bis(*N,N*-dimethyldithiocarbamato)nickel

Synonym(s): Bis(dimethylcarbamodithioato-*S,S'*)nickel, 9Cl. Nickel(*II*) dimethyldithiocarbamate. Organic nickel, JMAF. Sankel. DDC-Ni. M 1



CAS Registry Number: 15521-65-0

Molecular Formula: C₆H₁₂N₂NiS₄

Molecular Weight: 299.128

Accurate Mass: 297.923674

Percentage Composition: C 24.09%; H 4.04%; N 9.37%; Ni 19.62%; S 42.88%

Source/Synthesis: Synth. from [Ni(OH₂)₆]²⁽⁺⁾ + Na(dtc) in Me₂CO, or electrochemically

Biological Use/Importance: Fungicide, bactericide

Physical Description: Light olive-green cryst.

Solubility: Spar. sol. chlorinated solvs., Me₂CO; insol. Et₂O, hydrocarbons

Other Data: Diamagnetic. Mp >300°

Hazard & Toxicity: LD₅₀ (rat, orl) >36000 mg/kg

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