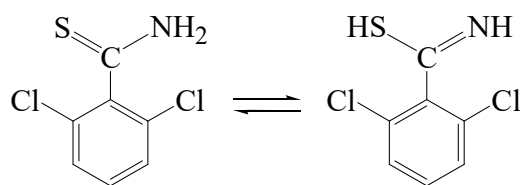




>>Entry Name: 2,6-Dichlorothiobenzamide, 8Cl

Synonym(s): 2,6-Dichlorobenzenecarbothioamide, 9Cl. Chlorthiamid, BSI, ISO. Prefix. DCBN, JMAF



CAS Registry Number: 1918-13-4

Molecular Formula: C₇H₅Cl₂NS

Molecular Weight: 206.095

Accurate Mass: 204.951973

Percentage Composition: C 40.80%; H 2.45%; Cl 34.40%; N 6.80%; S 15.56%

Use/Importance: Preemergence herbicide toxic to germinating seeds. Now superseded

Melting Point: Mp 152°

Solubility: Spar. sol. H₂O

Hazard & Toxicity: LD₅₀ (rat, orl) 757 mg/kg. LD₅₀ (rat, skn) 1000 mg/kg

>>Derivative: Ac

Molecular Formula: C₉H₇Cl₂NOS

Molecular Weight: 248.132

Accurate Mass: 246.962538

Percentage Composition: C 43.57%; H 2.84%; Cl 28.58%; N 5.64%; O 6.45%; S 12.92%

Melting Point: Mp 184-185°

>>Derivative: N-Me

Molecular Formula: C₈H₇Cl₂NS

Molecular Weight: 220.121

Accurate Mass: 218.967623

Percentage Composition: C 43.65%; H 3.21%; Cl 32.21%; N 6.36%; S 14.57%

Melting Point: Mp 166-168°

>>Derivative: N,N-Di-Me

Molecular Formula: C₉H₉Cl₂NS

Molecular Weight: 234.148

Accurate Mass: 232.983273

Percentage Composition: C 46.17%; H 3.87%; Cl 30.28%; N 5.98%; S 13.69%

Melting Point: Mp 131-133°

>>Derivative: S-Et

Molecular Formula: C₉H₉Cl₂NS

Molecular Weight: 234.148

Accurate Mass: 232.983273

Percentage Composition: C 46.17%; H 3.87%; Cl 30.28%; N 5.98%; S 13.69%

Melting Point: Mp 30°

>>Derivative: S-Et; hydrochloride

Melting Point: Mp 200 dec.°

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