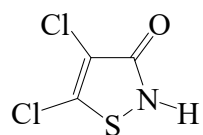




>>Entry Name: 4,5-Dichloro-3(2*H*)-isothiazolone



Molecular Formula: C₃HCl₂NOS

Molecular Weight: 170.018

Accurate Mass: 168.915588

Percentage Composition: C 21.19%; H 0.59%; Cl 41.70%; N 8.24%; O 9.41%; S 18.86%

>>**Derivative:** *N*-Octyl

Synonym(s): 4,5-Dichloro-2-octyl-3(2*H*)-isothiazolone

CAS Registry Number: 64359-81-5

Molecular Formula: C₁₁H₁₇Cl₂NOS

Molecular Weight: 282.233

Accurate Mass: 281.040788

Percentage Composition: C 46.81%; H 6.07%; Cl 25.12%; N 4.96%; O 5.67%; S 11.36%

Use/Importance: Biocide

Physical Description: Cryst. (hexane)

Melting Point: Mp 44-46°

References:

Weiler, E.D. *et al.*, *J. Het. Chem.*, 1977, **14**, 627-630, (*synth*)

Ger. Pat., 1978, 2 732 145; *CA*, **88**, 147511t, (*use*)