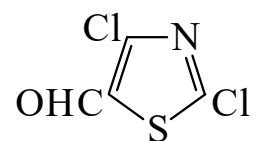




>>Entry Name: 2,4-Dichloro-5-thiazolecarboxaldehyde

Synonym(s): 2,4-Dichloro-5-formylthiazole



CAS Registry Number: 92972-48-0

Molecular Formula: C₄HCl₂NOS

Molecular Weight: 182.029

Accurate Mass: 180.915588

Percentage Composition: C 26.39%; H 0.55%; Cl 38.95%; N 7.69%; O 8.79%; S 17.62%

Physical Description: Cryst.

Melting Point: Mp 48-49°

Boiling Point: Bp₂₀ 180°

>>Derivative: Ethylene acetal

Synonym(s): 2,4-Dichloro-5-(1,3-dioxolan-2-yl)thiazole, 9Cl

CAS Registry Number: 141764-85-4

Molecular Formula: C₆H₅Cl₂NO₂S

Molecular Weight: 226.082

Accurate Mass: 224.941803

Percentage Composition: C 31.88%; H 2.23%; Cl 31.36%; N 6.20%; O 14.15%; S 14.18%

Physical Description: Oil

Boiling Point: Bp₃ 150-152°

References:

Ger. Pat., 1984, 3 303 704; *CA*, **101**, 211127, (*synth*)

Sawhney, I. *et al.*, *J.C.S. Perkin I*, 1990, 329, (*synth*)

Athmani, S. *et al.*, *J.C.S. Perkin I*, 1992, 973, (*synth, acetal*)

Kerdesky, F.A.J. *et al.*, *Synth. Commun.*, 1995, **25**, 4081, (*synth, pmr*)