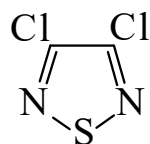




>>Entry Name: 3,4-Dichloro-1,2,5-thiadiazole



CAS Registry Number: 5728-20-1

Related CAS Registry Numbers(s): 121771-55-9

Molecular Formula: C₂Cl₂N₂S

Molecular Weight: 155.007

Accurate Mass: 153.915922

Percentage Composition: C 15.50%; Cl 45.74%; N 18.07%; S 20.69%

Physical Description: Liq.

Boiling Point: Bp 154-155°. Bp₁₂₂ 101-102°

Aldrich: 25890-3

>>Derivative: S,S-Dioxide

CAS Registry Number: 55904-85-3

Molecular Formula: C₂Cl₂N₂O₂S

Molecular Weight: 187.006

Accurate Mass: 185.905752

Percentage Composition: C 12.85%; Cl 37.92%; N 14.98%; O 17.11%; S 17.15%

Physical Description: Needles (cyclohexane)

Melting Point: Mp 103-104°

References:

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Weinstock, L.M. *et al.*, *J.O.C.*, 1967, **32**, 2823, (*synth, ir, uv*)

Richardson, A.W., *Can. J. Chem.*, 1973, **51**, 680, (*ir, Raman*)

Wen, R.Y. *et al.*, *J.O.C.*, 1975, **40**, 2743, (*synth, ir, ms, dioxide*)