



>>Entry Name: 2,5-Dimethylthiazole

ENTRY UNDER REVIEW

CAS Registry Number: 4175-66-0

Type of Compound Code(s): WA4700 WE9900

Structure by analogy with 2,4-Dimethylthiazole, [FWX44-Z](#)

Molecular Formula: C₅H₇NS

Molecular Weight: 113.183

Accurate Mass: 113.029919

Percentage Composition: C 53.06%; H 6.23%; N 12.38%; S 28.33%

Use/Importance: Organoleptic agent. Food flavour/aroma component

Physical Description: Liq. with meaty odour

Boiling Point: Bp₈₀ 86°

Solubility: Sol. EtOH, Et₂O

pKa Value: pK_a 3.91 (25°)

Other Data: Steam-volatile

>>Derivative: Picrate

Melting Point: Mp 172° (166-167°)

References:

Gabriel, S., *Ber.*, 1910, **43**, 1283-1287, (*synth*)

Kurkjy, R.P. *et al.*, *J.A.C.S.*, 1952, **74**, 5778, (*synth*)

Nishimura, O. *et al.*, *Koryo*, 1990, **165**, 91-101; *CA*, **113**, 210350s, (*isol*)