



>>Entry Name: 2,4-Dimethylthiophene

ENTRY UNDER REVIEW

CAS Registry Number: 638-00-6

Type of Compound Code(s): WE9999 WI1600 WA4700 VA6600

Structure by analogy with 2,3-Dimethylthiophene, [FWX55-D](#)

Molecular Formula: C₆H₈S

Molecular Weight: 112.195

Accurate Mass: 112.03467

Percentage Composition: C 64.23%; H 7.19%; S 28.58%

Biological Source: Constit. of *Allium* spp. and *Azadirachta indica*. Also found in various cooked foods

Use/Importance: Odorant used in food flavouring

Boiling Point: Bp 140.7°

Solubility: Insol. H₂O; sol. Et₂O, EtOH, C₆H₆

Density: d²⁰ 0.996

Refractive Index: n_D²⁰ 1.5104

References:

Zelinsky, N., *Ber.*, 1887, **20**, 2018

Adv. Chem. Ser., 1955, **15**, 189, (*props*)

Nishimura, H. *et al.*, *J.O.C.*, 1975, **40**, 1567, (*synth, ir, ms, pmr*)

Mubarak, A.M. *et al.*, *Phytochemistry*, 1990, **29**, 3351, (*isol*)

Takeshita, M. *et al.*, *J.O.C.*, 1991, **56**, 2837, (*synth*)

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th edn., Van Nostrand Reinhold, 1979, 1030