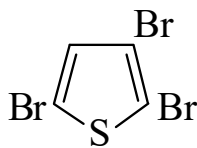




>>Entry Name: 2,3,5-Tribromothiophene, 9CI



CAS Registry Number: 3141-24-0

Molecular Formula: C₄HBr₃S

Molecular Weight: 320.83

Accurate Mass: 317.794903

Percentage Composition: C 14.97%; H 0.31%; Br 74.72%; S 9.99%

Melting Point: Mp 25-27°

Boiling Point: Bp₂₀ 136-138°. Bp₉ 123-124°

Hazard & Toxicity: The *Organic Syntheses* procedure is hazardous (exotherm)

Aldrich: 17275-8

Rare Chemicals Library: S55205-4

>>Derivative: 1,1-Dioxide

CAS Registry Number: 211737-48-3

Molecular Formula: C₄HBr₃O₂S

Molecular Weight: 352.829

Accurate Mass: 349.784733

Percentage Composition: C 13.62%; H 0.29%; Br 67.94%; O 9.07%; S 9.09%

Physical Description: Cryst.

References:

Org. Synth., Coll. Vol., 5, 1973, 149-151, (*synth*)

Antionoletti, R. *et al.*, *J.C.S. Perkin 1*, 1986, 1755-1758, (*pmr, ms*)

Brandsma, L. *et al.*, *Synth. Commun.*, 1988, **18**, 1763-1764, (*synth, haz*)

Barbarella, G. *et al.*, *J.O.C.*, 1998, **63**, 5497-5506, (*dioxide, cryst struct*)