



>>Entry Name: Methyl 2-propenyl trisulfide, 9CI

ENTRY UNDER REVIEW

Synonym(s): Allyl methyl trisulfide. 4,5,6-Trithia-1-heptene

CAS Registry Number: 34135-85-8

$\text{H}_2\text{C}=\text{CHCH}_2\text{-S-S-S-Me}$

Molecular Formula: $\text{C}_4\text{H}_8\text{S}_3$

Molecular Weight: 152.305

Accurate Mass: 151.97881

Percentage Composition: C 31.54%; H 5.29%; S 63.16%

Biological Source: Constit. of *Allium sativum* (garlic oil) and other *Allium* spp.

Biological Use/Importance: Possesses cytotoxic props.

Physical Description: Yellow oil

Boiling Point: $\text{Bp}_{0.05}$ 28-30°

References:

Kameoka, H. *et al.*, *Phytochemistry*, 1984, **23**, 155-158, (*isol*)

Mott, A.W. *et al.*, *Synthesis*, 1984, 657-658, (*synth, pmr*)

Vernin, G. *et al.*, *Planta Med.*, 1986, 96-101, (*isol*)