



>>Entry Name: 1-Pentanesulfenothioic acid, 9CI

ENTRY UNDER REVIEW

Synonym(s): Pentyl hydrodisulfide

CAS Registry Number: 86849-52-7

$\text{H}_3\text{C}(\text{CH}_2)_4\text{SSH}$

Molecular Formula: $\text{C}_5\text{H}_{12}\text{S}_2$

Molecular Weight: 136.282

Accurate Mass: 136.03804

Percentage Composition: C 44.07%; H 8.87%; S 47.06%

Biological Source: Constit. of chives (*Allium schoenoprasum*)

Physical Description: Liq.

Other Data: Sweet onion smell

>>Derivative: S-Me

Synonym(s): Methyl pentyl disulfide, 9CI

CAS Registry Number: 72437-68-4

Molecular Formula: $\text{C}_6\text{H}_{14}\text{S}_2$

Molecular Weight: 150.309

Accurate Mass: 150.05369

Percentage Composition: C 47.95%; H 9.39%; S 42.67%

Biological Source: Constit. of chives (*Allium schoenoprasum*)

Physical Description: Liq.

Other Data: Sweet onion smell

References:

Kameoka, H. *et al.*, *Phytochemistry*, 1983, **22**, 294