



>>Entry Name: 9-Heneicosene

CAS Registry Number: 629-95-8

$\text{H}_3\text{C}(\text{CH}_2)_{10}\text{CH}=\text{CH}(\text{CH}_2)_7\text{CH}_3$

Molecular Formula: $\text{C}_{21}\text{H}_{42}$

Molecular Weight: 294.563

Accurate Mass: 294.32865

Percentage Composition: C 85.63%; H 14.37%

Melting Point: Mp 3°

Boiling Point: Bp₁₂ 201-202°

Other Data: Props. refer to a mixt. of isomers

>>Variant: (Z)-form

CAS Registry Number: 39836-21-0

Molecular Formula: $\text{C}_{21}\text{H}_{42}$

Molecular Weight: 294.563

Accurate Mass: 294.32865

Percentage Composition: C 85.63%; H 14.37%

Use/Importance: Insect sex attractant

Boiling Point: Bp_{0.04} 118-120°

Refractive Index: n_D²⁰ 1.4500

Aldrich: 24923-8

Sigma: H5010

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **3**, 28A

Mai, J., *Ber.*, 1889, **22**, 2133

Schaal, R., *Ber.*, 1907, **40**, 4787

Mansingh, A. *et al.*, *Can. Entomol.*, 1972, **104**, 1963

Lebigot, Y.D. *et al.*, *J. Agric. Food Chem.*, 1983, **31**, 1096, (*ir, gc, pmr*)

Fiandanese, V. *et al.*, *J.C.S. Perkin I*, 1985, 1115, (*synth*)

Yen, Y.-P. *et al.*, *Org. Prep. Proced. Int.*, 1997, **29**, 494-496, (*Z-form, synth, ir, pmr, ms*)