



>>Entry Name: **1,3-Pentadiene**, 9CI

Synonym(s): Piperylene

CAS Registry Number: 504-60-9

Extra CAS Registry Numbers(s): 41050-31-1

$\text{H}_3\text{CCH}=\text{CHCH}=\text{CH}_2$

Molecular Formula: C_5H_8

Molecular Weight: 68.118

Accurate Mass: 68.0626

Percentage Composition: C 88.16%; H 11.84%

Hazard & Toxicity: Highly flammable, fl. p. $-29/-43^\circ$

Aldrich: P4985-6

>>Variant: (*E*)-form

CAS Registry Number: 2004-70-8

Molecular Formula: C_5H_8

Molecular Weight: 68.118

Accurate Mass: 68.0626

Percentage Composition: C 88.16%; H 11.84%

Physical Description: Liq.

Boiling Point: Bp 42°

Density: d^{20}_4 0.677

Refractive Index: n^{20}_D 1.4301

Other Data: Q/e values for copolym., Q 0.56, e -0.97

Aldrich: 11180-5

Fluka: 76620

>>Variant: (*Z*)-form

CAS Registry Number: 1574-41-0

Molecular Formula: C_5H_8

Molecular Weight: 68.118

Accurate Mass: 68.0626

Percentage Composition: C 88.16%; H 11.84%

Boiling Point: Bp 43.5°

Density: d^{20}_4 0.692

Refractive Index: n^{20}_D 1.4363

Other Data: Q/e values for copolym., Q 1.215, e -1.055

Aldrich: 26818-6

Fluka: 76610

References:

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