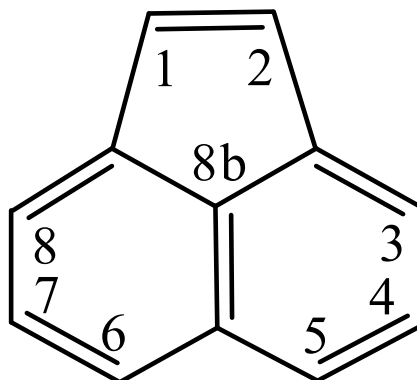




>>Entry Name: Acenaphthylene, 9CI, 8CI

Synonym(s): Cyclopenta[de]naphthalene



CAS Registry Number: 208-96-8

Molecular Formula: C₁₂H₈

Molecular Weight: 152.195

Accurate Mass: 152.0626

Percentage Composition: C 94.70%; H 5.30%

Source/Synthesis: Occurs in cigarette smoke and shale oil

Use/Importance: Homopolymers and copolymers with other vinyl monomers are formed by anionic, cationic and free-radical polym.

Physical Description: Yellow plates (EtOH)

Melting Point: Mp 92-93°

Boiling Point: Bp 265-275° part. dec.. Bp₂₈ 156-160°

Solubility: Insol. H₂O; v. sol. EtOH, Et₂O, C₆H₆

Other Data: Q/e values for copolym., Q 0.72, e -1.88

Hazard & Toxicity: Fl. p. >66°. LD₅₀ (rat, ipr) 1700 mg/kg. Mutagenic props.

Aldrich: A80-5

Fluka: 58

Rare Chemicals Library: S94479-3

Sigma: A6456

Supelco: 4-8566

>>Derivative: Picrate

CAS Registry Number: 56368-63-9

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 201-202°

References: