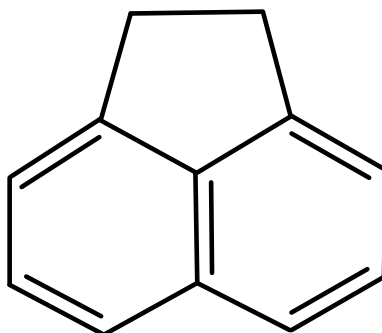




>>Entry Name: **Acenaphthene**, 8Cl

Synonym(s): 1,2-Dihydroacenaphthylene, 9Cl. 1,8-Ethylenenaphthalene



CAS Registry Number: 83-32-9

Molecular Formula: $C_{12}H_{10}$

Molecular Weight: 154.211

Accurate Mass: 154.07825

Percentage Composition: C 93.46%; H 6.54%

Source/Synthesis: Found in coal tar and petroleum. Prod. in combustion of tobacco and fuels

Use/Importance: Dye intermediate, has insecticidal and fungicidal props.

Physical Description: Needles (EtOH)

Melting Point: Mp 96°

Boiling Point: Bp 279°

Experimental Log P Data: Log P 4 (exp)

Hazard & Toxicity: Irritant, exp. neoplastic agent, fl. p. >66°

Aldrich: 21537-6

Fluka: 20

Sigma: A9394

Supelco: R43-0010

>>Derivative: Picrate

Physical Description: Orange-red prisms (EtOH)

Melting Point: Mp 162°

References: