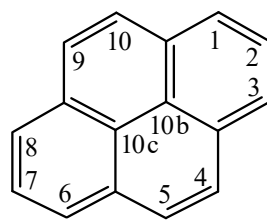




>>Entry Name: Pyrene



CAS Registry Number: 129-00-0

Related CAS Registry Numbers(s): 1718-52-1 34506-93-9 34512-41-9

Molecular Formula: C₁₆H₁₀

Molecular Weight: 202.255

Accurate Mass: 202.07825

Percentage Composition: C 95.02%; H 4.98%

Source/Synthesis: Constit. of coal tar

Use/Importance: Intermed. in synth. of Benzo[*a*]pyrene [FMP62-X](#)

Physical Description: Pale-yellow plates by subl.

Melting Point: Mp 149-150°

Boiling Point: Bp 360°

Solubility: Sol. Et₂O, CS₂, C₆H₆, toluene

pKa Value: pK_a -8.2 (H₂SO₄ aq.)

Other Data: Solns. show blue fluor.

Hazard & Toxicity: Poss. carcinogen (theory predicts weak activity, no certain evidence). Skin irritant. LD₅₀ (rat, orl) 2700 mg/kg

Aldrich: 13159-8

Fluka: 82650

Rare Chemicals Library: S44354-9

Sigma: P2146

Supelco: R43-0780

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