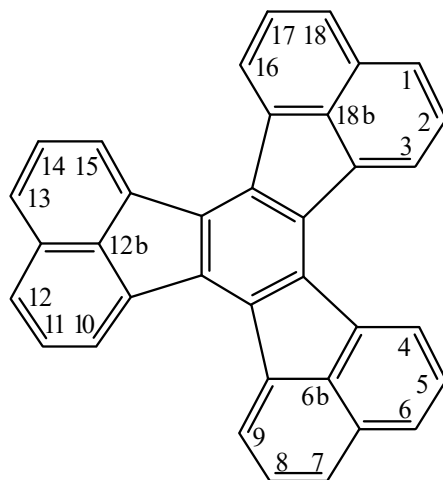




>>Entry Name: Diacenaphtho[1,2-*j*:1',2'-*l*]fluoranthene, 9Cl

Synonym(s): Decacyclene. Chalkacene. Trinaphthylenebenzene



CAS Registry Number: 191-48-0

Molecular Formula: C₃₆H₁₈

Molecular Weight: 450.538

Accurate Mass: 450.14085

Percentage Composition: C 95.97%; H 4.03%

General Statement: Formerly assigned a C₃₀H₁₆ struct. but this appears to have been disproved by mass-spectral evidence

Physical Description: Coppery-red or yellow needles or plates

Melting Point: Mp 358-360°. Mp 387°

Aldrich: D20-0

>>Derivative: Dihydro

Synonym(s): Leukacene. Leucacene

CAS Registry Number: 125776-77-4

Molecular Formula: C₃₆H₂₀

Molecular Weight: 452.554

Accurate Mass: 452.1565

Percentage Composition: C 95.55%; H 4.45%

Physical Description: Plates or needles

Melting Point: Mp 250°

Other Data: Turns pink in air. Formerly assigned a C₅₄H₃₂ struct.; struct. assignment given here is v. tentative

References:

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Moszew, J. *et al.*, *Pol. J. Chem. (Rocz. Chem.)*, 1958, **32**, 129, (*synth*)
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Urbanski, T. *et al.*, *Bull. Acad. Pol. Sci., Ser. Sci. Chim.*, 1973, **21**, 525; *CA*, **79**, 126146, (*struct, ms*)
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