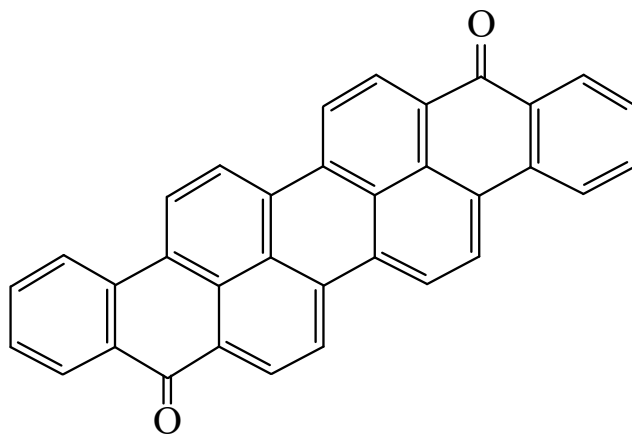




>>Entry Name: **Isodibenzanthrone**

Synonym(s): Dinaphtho[1,2,3-*cd*:1',2',3'-*lm*]perylene-9,18-dione, 9Cl. Isoviolanthrone. Isobianthrone A



CAS Registry Number: 128-64-3

Molecular Formula: C₃₄H₁₆O₂

Molecular Weight: 456.499

Accurate Mass: 456.11503

Percentage Composition: C 89.46%; H 3.53%; O 7.01%

Use/Importance: Vat dye

Physical Description: Dark-violet powder

Solubility: Sol. PhNO₂ giving reddish-violet sol. with brown fluor., spar. sol. ord. org. solvs.

Rare Chemicals Library: S36298-0

References:

Lüttringhaus, A. *et al.*, *Annalen*, 1929, **473**, 259, (*synth*)

Durie, R.A. *et al.*, *Aust. J. Chem.*, 1957, **10**, 429, (*ir*)

Bolton, W., *Acta Cryst.*, 1964, **17**, 1020, (*cryst struct*)

Nagai, Y. *et al.*, *Bull. Chem. Soc. Jpn.*, 1966, **39**, 1168, (*synth, ir*)

Ger. Pat., 1978, 2 704 964; *CA*, **89**, 131063