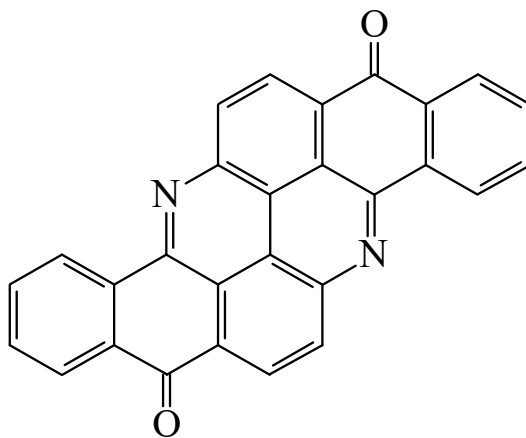




>>Entry Name: Flavanthrone, 8Cl

Synonym(s): Benzo[*h*]benz[5,6]acridino[2,1,9,8-*klmna*]acridine-8,16-dione, 9Cl. C.I. Pigment Yellow 24. C.I. Vat Yellow 1. Flavanthrone yellow



CAS Registry Number: 475-71-8

Molecular Formula: C<sub>28</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight: 408.415

Accurate Mass: 408.089878

Percentage Composition: C 82.34%; H 2.96%; N 6.86%; O 7.83%

Use/Importance: Dye, pigment, used in inks, paints, plastics and coloured textiles

Physical Description: Yellow-brown needles (PhNO<sub>2</sub> or by subl.)

Solubility: Green fluor. in cumene soln.

Other Data: Much patented

#### References:

Krepelka, V. *et al.*, *Coll. Czech. Chem. Comm.*, 1937, **9**, 29, (*synth*)

Stadler, H.P., *Acta Cryst.*, 1953, **6**, 540, (*cryst struct*)

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

Moran, J.J. *et al.*, *J.C.S.*, 1957, 765, (*purifn, uv*)

Sramek, J., *J. Soc. Dyers Colour.*, 1962, **78**, 326, (*chromatog*)

Kratochvil, V. *et al.*, *Coll. Czech. Chem. Comm.*, 1974, **39**, 2814, (*synth, uv*)

*Kirk-Othmer Encycl. Chem. Technol.*, 3rd edn., Wiley, 1978, **8**, 242