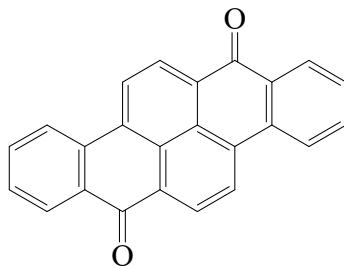




>>Entry Name: Dibenzo[*b,def*]chrysene-7,14-dione, 8Cl

Synonym(s): 2,3,7,8-Dibenzopyrene-1,6-quinone. Anthanthrone. Anthraquinoid Vat dye. Fenanthren Golden Yellow GK. Solanthrene Brilliant Yellow J™. Vat Yellow 4™. Yellow GK base. C.I. Vat Yellow 4. Many other names



CAS Registry Number: 128-66-5

Molecular Formula: C₂₄H₁₂O₂

Molecular Weight: 332.358

Accurate Mass: 332.08373

Percentage Composition: C 86.73%; H 3.64%; O 9.63%

Use/Importance: Yellow dye pigment used in fluorescent paints and other applications

Hazard & Toxicity: Potential genotoxic agent; shows carcinogenic and mutogenic props.

References:

Moran, J.J. *et al.*, *J.C.S.*, 1957, 765-778, (*uv*)

Ger. Pat., 1990, 3 910 606; *CA*, **114**, 124551x, (*synth*)

Rosenkranz, H.S. *et al.*, *Mutagenesis*, 1990, **5**, 559-571; *CA*, **114**, 242540r, (*tox*)

Harrington-Brock, K. *et al.*, *Mutagenesis*, 1991, **6**, 35-46; *CA*, **114**, 180113t, (*tox*)

Mutat. Res., 1991, **257**, 229-306; *CA*, **115**, 200827e, (*tox*)