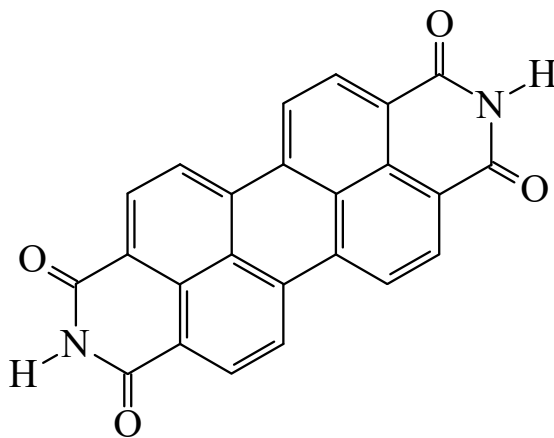




>>Entry Name: Anthra[2,1,9-*def*:6,5,10-*d'e'f'*]diisoquinoline-1,3,8,10(2*H*,9*H*)-tetrone, 9CI

Synonym(s): Perylene-3,4:9,10-tetracarboxdiimide. C.I. Pigment Violet 29



CAS Registry Number: 81-33-4

Molecular Formula: C₂₄H₁₀N₂O₄

Molecular Weight: 390.354

Accurate Mass: 390.064058

Percentage Composition: C 73.85%; H 2.58%; N 7.18%; O 16.39%

Use/Importance: *N*-Dialkyl derivs. are light-stable dyes

Rare Chemicals Library: S40971-5

>>Derivative: *N,N'*-Di-Me

Synonym(s): Indanthrene Red GG. Perylene maroon. C.I. Pigment Red 179. C.I. Vat Red 23

CAS Registry Number: 5521-31-3

Molecular Formula: C₂₆H₁₄N₂O₄

Molecular Weight: 418.408

Accurate Mass: 418.095358

Percentage Composition: C 74.64%; H 3.37%; N 6.70%; O 15.30%

Use/Importance: Vat dye

Physical Description: Red-violet needles

>>Derivative: *N,N'*-Bis(tridecyl)

CAS Registry Number: 95689-92-2

Molecular Formula: C₅₀H₆₂N₂O₄

Molecular Weight: 755.051

Accurate Mass: 754.470958

Percentage Composition: C 79.54%; H 8.28%; N 3.71%; O 8.48%

Melting Point: Mp 300°

Aldrich: 38378-3

Fluka: 43890

>>Derivative: *N,N'*-Bis(3,5-dimethylphenyl)

Synonym(s): C.I. Pigment Red 149

CAS Registry Number: 4948-15-6

Molecular Formula: C₄₀H₂₆N₂O₄

Molecular Weight: 598.656

Accurate Mass: 598.189258

Percentage Composition: C 80.25%; H 4.38%; N 4.68%; O 10.69%

Use/Importance: Dye

Physical Description: Red prisms (quinoline)

Other Data: Mp >300°

>>Derivative: *N,N'*-Bis(4-methoxyphenyl)

Synonym(s): Indanthrene Scarlet R. Perylene red. Perylene scarlet. C.I. Pigment Red 190. C.I. Vat Red 29

CAS Registry Number: 6424-77-7

Molecular Formula: C₃₈H₂₂N₂O₆

Molecular Weight: 602.602

Accurate Mass: 602.147788

Percentage Composition: C 75.74%; H 3.68%; N 4.65%; O 15.93%

Use/Importance: Vat dye