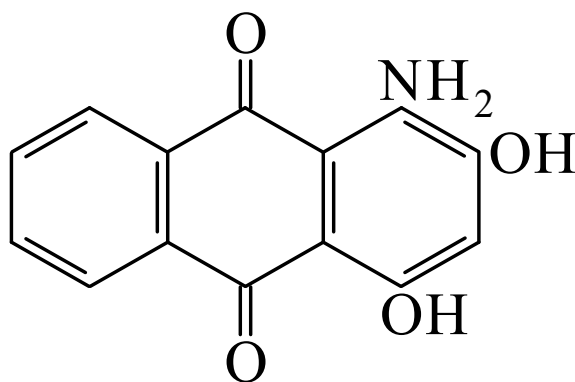




>>Entry Name: 1-Amino-2,4-dihydroxyanthraquinone

Synonym(s): 1-Amino-2,4-dihydroxy-9,10-anthracenedione, 9CI



Molecular Formula: C₁₄H₉NO₄

Molecular Weight: 255.229

Accurate Mass: 255.053159

Percentage Composition: C 65.88%; H 3.55%; N 5.49%; O 25.07%

>>Derivative: 2-Me ether

Synonym(s): 1-Amino-4-hydroxy-2-methoxyanthraquinone. C.I. Disperse red 4. C.I. 60755

CAS Registry Number: 2379-90-0

Molecular Formula: C₁₅H₁₁NO₄

Molecular Weight: 269.256

Accurate Mass: 269.068809

Percentage Composition: C 66.91%; H 4.12%; N 5.20%; O 23.77%

Use/Importance: Disperse dye for polyester and polyamide fibres

Physical Description: Red solid

Rare Chemicals Library: S32158-3

>>Derivative: Di-Me ether

Synonym(s): 1-Amino-2,4-dimethoxyanthraquinone

CAS Registry Number: 22075-35-0

Molecular Formula: C₁₆H₁₃NO₄

Molecular Weight: 283.283

Accurate Mass: 283.084459

Percentage Composition: C 67.84%; H 4.63%; N 4.94%; O 22.59%

Physical Description: Red needles

Melting Point: Mp 171-172.5°

>>Derivative: 2-Ph ether

Synonym(s): 1-Amino-4-hydroxy-2-phenoxyanthraquinone. C.I. Disperse red 60

CAS Registry Number: 17418-58-5

Molecular Formula: C₂₀H₁₃NO₄

Molecular Weight: 331.327

Accurate Mass: 331.084459

Percentage Composition: C 72.50%; H 3.95%; N 4.23%; O 19.32%

Use/Importance: Disperse dye for polyester fibres

Physical Description: Red-violet cryst.

Melting Point: Mp 171-173.5°

Rare Chemicals Library: S92698-1

References:

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Black, S.N. *et al.*, *Acta Cryst. C*, 1992, **48**, 321, (*cryst struct, 2-Ph ether*)

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