



>>Entry Name: 2-Aminoanthraquinone

Synonym(s): β -Aminoanthraquinone

CAS Registry Number: 117-79-3

Molecular Formula: $C_{14}H_9NO_2$

Molecular Weight: 223.231

Accurate Mass: 223.063329

Percentage Composition: C 75.33%; H 4.06%; N 6.27%; O 14.33%

Use/Importance: Dyestuff intermediate

Physical Description: Red needles (EtOH)

Melting Point: Mp 303-306°

Hazard & Toxicity: LD₅₀ (rat, ipr) 1500 mg/kg. Exp. carcinogen (large dose)

Aldrich: 16554-9

Fluka: 6790

>>Derivative: *N*-Ac

Molecular Formula: $C_{16}H_{11}NO_3$

Molecular Weight: 265.268

Accurate Mass: 265.073894

Percentage Composition: C 72.45%; H 4.18%; N 5.28%; O 18.09%

Physical Description: Yellow cryst.

Melting Point: Mp 262°

>>Derivative: *N*-Benzoyl

Molecular Formula: $C_{21}H_{13}NO_3$

Molecular Weight: 327.339

Accurate Mass: 327.089544

Percentage Composition: C 77.06%; H 4.00%; N 4.28%; O 14.66%

Physical Description: Yellow cryst. (AcOH)

Melting Point: Mp 227-228°