>>**Entry Name: 1-Amino-4-bromoanthraquinone**
Synonym(s): 1-Amino-4-bromo-9,10-anthracenedione, 9CI

CAS Registry Number: 81-62-9
Related CAS Registry Numbers(s): 126871-79-2

Molecular Formula: $C_{14}H_8BrNO_2$
Molecular Weight: 302.127
Accurate Mass: 300.99384
Percentage Composition: C 55.66%; H 2.67%; Br 26.45%; N 4.64%; O 10.59%
Use/Importance: Dye intermed.
Physical Description: Cryst. (AcOH)
Melting Point: Mp 178.5-179.5° (172-175°)
pKa Value: pK_a –1.12

Rare Chemicals Library: S92275-7

>>**Derivative:** *N*-Ac

Molecular Formula: $C_{16}H_{10}BrNO_3$
Molecular Weight: 344.164
Accurate Mass: 343.004405
Percentage Composition: C 55.84%; H 2.93%; Br 23.22%; N 4.07%; O 13.95%
Melting Point: Mp 222-224°

>>**Derivative:** *N*-Benzoyl

Molecular Formula: $C_{21}H_{12}BrNO_3$
Molecular Weight: 406.235
Accurate Mass: 405.020055
Percentage Composition: C 62.09%; H 2.98%; Br 19.67%; N 3.45%; O 11.82%
Physical Description: Yellow needles
Melting Point: Mp 230-231° (225-227°)

>>**Derivative:** *N*-Me

CAS Registry Number: 128-93-8
Molecular Formula: $C_{15}H_{10}BrNO_2$
Molecular Weight: 316.153
Accurate Mass: 315.00949
Percentage Composition: C 56.99%; H 3.19%; Br 25.27%; N 4.43%; O 10.12%
Physical Description: Red-brown needles (Py)
Melting Point: Mp 195-196°
Hazard & Toxicity: Mild eye irritant

Rare Chemicals Library: S26364-8

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

Molecular Formula: $C_{16}H_{12}BrNO_2$
Molecular Weight: 330.18
Accurate Mass: 329.02514
Percentage Composition: C 58.20%; H 3.66%; Br 24.20%; N 4.24%; O 9.69%
Melting Point: Mp 178°

References:

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