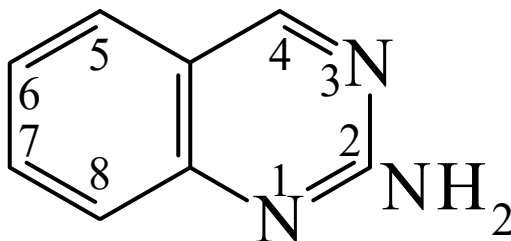




>>Entry Name: 2-Aminoquinazoline

Synonym(s): 2-Quinazolinamine, 9Cl



CAS Registry Number: 1687-51-0

Molecular Formula: C₈H₇N₃

Molecular Weight: 145.163

Accurate Mass: 145.063997

Percentage Composition: C 66.19%; H 4.86%; N 28.95%

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 203-204°

>>Derivative: N-Ac

Molecular Formula: C₁₀H₉N₃O

Molecular Weight: 187.201

Accurate Mass: 187.074562

Percentage Composition: C 64.16%; H 4.85%; N 22.45%; O 8.55%

Physical Description: Needles (Me₂CO)

Melting Point: Mp 177°

>>Derivative: N-Di-Me

CAS Registry Number: 6141-01-1

Molecular Formula: C₁₀H₁₁N₃

Molecular Weight: 173.217

Accurate Mass: 173.095297

Percentage Composition: C 69.34%; H 6.40%; N 24.26%

Physical Description: Cryst.

Melting Point: Mp 86°

References:

Rodda, H.J., *J.C.S.*, 1956, 3509-3512, (*synth*)

Osborn, A.R. *et al.*, *J.C.S.*, 1956, 4191-4206, (*synth, uv, ir*)

Sasse, K., *Synthesis*, 1978, 379-382, (*synth*)

Suzuki, Y. *et al.*, *Chem. Pharm. Bull.*, 1998, **46**, 199-206, (*N-di-Me, synth, pmr*)