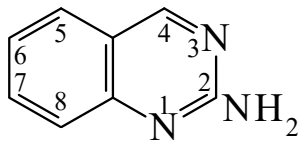
>>**Entry Name: 2-Aminoquinazoline**
Synonym(s): 2-Quinazolinamine, 9CI



CAS Registry Number: 1687-51-0

Molecular Formula: $C_8H_7N_3$
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: $C_{10}H_9N_3O$
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 (Me_2CO)
Melting Point: Mp 177°

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

CAS Registry Number: 6141-01-1
Molecular Formula: $C_{10}H_{11}N_3$
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)*