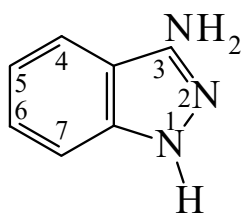




>>Entry Name: 3-Aminoindazole

Synonym(s): 1*H*-Indazol-3-amine, 9CI



1*H*-form

CAS Registry Number: 874-05-5

Molecular Formula: C₇H₇N₃

Molecular Weight: 133.152

Accurate Mass: 133.063997

Percentage Composition: C 63.14%; H 5.30%; N 31.56%

Physical Description: Prisms (Et₂O/C₆H₆)

Melting Point: Mp 154°

pKa Value: pK_a 3.12 (20°)

Rare Chemicals Library: S2955-7

>>Derivative: Di-Ac

Molecular Formula: C₁₁H₁₁N₃O₂

Molecular Weight: 217.227

Accurate Mass: 217.085127

Percentage Composition: C 60.82%; H 5.10%; N 19.34%; O 14.73%

Melting Point: Mp 177-178°

>>Derivative: Dibenzoyl

Molecular Formula: C₂₁H₁₅N₃O₂

Molecular Weight: 341.368

Accurate Mass: 341.116427

Percentage Composition: C 73.89%; H 4.43%; N 12.31%; O 9.37%

Physical Description: Needles (xylene)

Melting Point: Mp 182°

>>Derivative: *N*-Ph

Synonym(s): 3-Anilinoindazole

Molecular Formula: C₁₃H₁₁N₃

Molecular Weight: 209.25

Accurate Mass: 209.095297

Percentage Composition: C 74.62%; H 5.30%; N 20.08%

Melting Point: Mp 174-178° (170-171°)

References:

Bamberger, E., *Ber.*, 1922, **55**, 3371, (*derivs*)

Paterson, T.Mc.C. *et al.*, *Tet. Lett.*, 1977, 3973, (*synth*)

Brown, R.F.C. *et al.*, *Aust. J. Chem.*, 1994, **47**, 47, (*3-Anilinoindazole*)