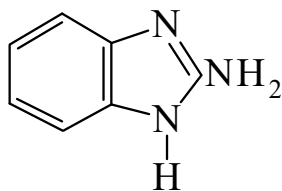




>>Entry Name: 2-Aminobenzimidazole

Synonym(s): 1*H*-Benzimidazol-2-amine, 9CI



CAS Registry Number: 934-32-7

Molecular Formula: C₇H₇N₃

Molecular Weight: 133.152

Accurate Mass: 133.063997

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

Physical Description: Plates (H₂O)

Melting Point: Mp 228-229° (222°)

Hazard & Toxicity: Exp. teratogen

Aldrich: 17177-8

Fluka: 6900

>>Derivative: Hydrochloride

CAS Registry Number: 26893-41-4

Physical Description: Hygroscopic needles

Melting Point: Mp 200°

>>Derivative: Picrate

Physical Description: Yellow needles (H₂O)

Melting Point: Mp 270° (dec.)

>>Derivative: 2-*N*-Ac

Synonym(s): *N*-1*H*-Benzimidazol-2-ylacetamide, 9CI. 2-Acetamidobenzimidazole

CAS Registry Number: 21202-05-1

Molecular Formula: C₉H₉N₃O

Molecular Weight: 175.19

Accurate Mass: 175.074562

Percentage Composition: C 61.70%; H 5.18%; N 23.99%; O 9.13%

Physical Description: Needles (EtOH)

Melting Point: Mp 314-315 dec.°

>>Derivative: 2-*N*-Benzoyl

Synonym(s): 2-Benzamidobenzimidazole

CAS Registry Number: 7412-05-7

Molecular Formula: C₁₄H₁₁N₃O

Molecular Weight: 237.26

Accurate Mass: 237.090212

Percentage Composition: C 70.87%; H 4.67%; N 17.71%; O 6.74%

Melting Point: Mp 236°

>>Derivative: *N*¹-Me

Synonym(s): 2-Amino-1-methyl-1*H*-benzimidazole

CAS Registry Number: 1622-57-7

Molecular Formula: C₈H₉N₃

Molecular Weight: 147.179

Accurate Mass: 147.079647

Percentage Composition: C 65.29%; H 6.16%; N 28.55%

Physical Description: Cryst. (C₆H₆/CHCl₃)

Melting Point: Mp 202-204° (193-194°)

Aldrich: 41254-6

Rare Chemicals Library: S94077-1