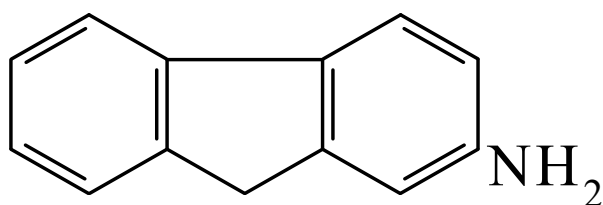




>>Entry Name: 2-Aminofluorene

Synonym(s): 9*H*-Fluoren-2-amine, 9Cl. 2-Fluorenamine



CAS Registry Number: 153-78-6

Molecular Formula: C₁₃H₁₁N

Molecular Weight: 181.237

Accurate Mass: 181.089149

Percentage Composition: C 86.15%; H 6.12%; N 7.73%

Use/Importance: 2-Aminofluorene and its derivs. and analogues are extensively studied in connection with carcinogenesis mechanisms. See in particular the entry for 2-Hydroxylaminofluorene [MTL21-M](#)

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 129°

Hazard & Toxicity: LD₅₀ (mus, ipr) 132 mg/kg. Exp. carcinogen and neoplastic agent

Aldrich: A5550-0

Fluka: 7970

Sigma: A9031

>>Derivative: *N*-Ac

CAS Registry Number: 53-96-3

Molecular Formula: C₁₅H₁₃NO

Molecular Weight: 223.274

Accurate Mass: 223.099714

Percentage Composition: C 80.69%; H 5.87%; N 6.27%; O 7.17%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 191°

Hazard & Toxicity: Potent hepatocarcinogen

Aldrich: A410-9

Fluka: 300

Sigma: A7015

Supelco: R43-3356

>>Derivative: *N*-*tert*-Butyloxycarbonyl

CAS Registry Number: 141340-61-6

Molecular Formula: C₁₈H₁₉NO₂

Molecular Weight: 281.354

Accurate Mass: 281.141579

Percentage Composition: C 76.84%; H 6.81%; N 4.98%; O 11.37%

Physical Description: Pale yellow powder

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

Synonym(s): 2-(Dimethylamino)fluorene

CAS Registry Number: 13261-62-6

Molecular Formula: C₁₅H₁₅N

Molecular Weight: 209.29

Accurate Mass: 209.120449

Percentage Composition: C 86.08%; H 7.22%; N 6.69%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 180°

Aldrich: D14180-1

Rare Chemicals Library: S40791-7

>>Derivative: *N*-Hydroxy

References: