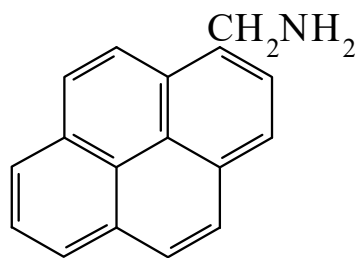




>>Entry Name: 1-Pyrenemethanamine, 9CI

Synonym(s): 1-(Aminomethyl)pyrene



CAS Registry Number: 3786-54-7

Related CAS Registry Numbers(s): 95948-96-2

Molecular Formula: C₁₇H₁₃N

Molecular Weight: 231.296

Accurate Mass: 231.104799

Percentage Composition: C 88.28%; H 5.66%; N 6.06%

Physical Description: Solid (C₆H₆)

Melting Point: Mp 212-213°

>>Derivative: Hydrochloride

CAS Registry Number: 93324-65-3

Physical Description: Cryst. (MeOH)

Melting Point: Mp 261-263° (244-250°)

Aldrich: 40163-3

>>Derivative: Acetate

Physical Description: Cryst.

Melting Point: Mp 241-250°

>>Derivative: *N*-Me

Molecular Formula: C₁₈H₁₅N

Molecular Weight: 245.323

Accurate Mass: 245.120449

Percentage Composition: C 88.13%; H 6.16%; N 5.71%

Melting Point: Mp 245-253°

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

Molecular Formula: C₁₉H₁₇N

Molecular Weight: 259.35

Accurate Mass: 259.136099

Percentage Composition: C 87.99%; H 6.61%; N 5.40%

Physical Description: Cryst.

Melting Point: Mp 270-277°

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

CAS Registry Number: 3712-78-5

Molecular Formula: C₂₁H₂₁N

Molecular Weight: 287.404

Accurate Mass: 287.167399

Percentage Composition: C 87.76%; H 7.36%; N 4.87%

Physical Description: Cryst. (EtOH) (as hydrochloride)

Melting Point: Mp 252-254° (238-243°) (hydrochloride)

>>Derivative: *N*-Ph

Molecular Formula: C₂₃H₁₇N

Molecular Weight: 307.394

Accurate Mass: 307.136099

Percentage Composition: C 89.87%; H 5.57%; N 4.56%

Melting Point: Mp 143-145°

References: