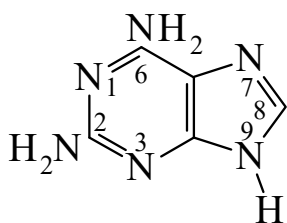




>>Entry Name: **2,6-Purinediamine**, 9CI

Synonym(s): 2,6-Diaminopurine, 8CI. 2-Aminoadenine



CAS Registry Number: 1904-98-9

Related CAS Registry Numbers(s): 7280-83-3

Molecular Formula: C₅H₆N₆

Molecular Weight: 150.143

Accurate Mass: 150.065394

Percentage Composition: C 40.00%; H 4.03%; N 55.97%

Biological Source: Prod. by *Bacillus subtilis*

Use/Importance: Biochemistry much studied

Melting Point: Mp 302°

Hazard & Toxicity: LD₅₀ (mus, ipr) 202 mg/kg

Aldrich: 24784-7

>>Derivative: N¹-Oxide

Molecular Formula: C₅H₆N₆O

Molecular Weight: 166.142

Accurate Mass: 166.060309

Percentage Composition: C 36.15%; H 3.64%; N 50.58%; O 9.63%

Physical Description: Cryst.

>>Derivative: N²-Me

CAS Registry Number: 7390-65-0

Molecular Formula: C₆H₈N₆

Molecular Weight: 164.169

Accurate Mass: 164.081044

Percentage Composition: C 43.90%; H 4.91%; N 51.19%

Melting Point: Mp 300°

>>Derivative: N⁶-Me

CAS Registry Number: 4421-04-9

Molecular Formula: C₆H₈N₆

Molecular Weight: 164.169

Accurate Mass: 164.081044

Percentage Composition: C 43.90%; H 4.91%; N 51.19%

Melting Point: Mp 300°

>>Derivative: N²,N²-Di-Me

Molecular Formula: C₇H₁₀N₆

Molecular Weight: 178.196

Accurate Mass: 178.096694

Percentage Composition: C 47.18%; H 5.66%; N 47.16%

Melting Point: Mp 300°

>>Derivative: N²,N⁶-Di-Me

CAS Registry Number: 6333-66-0

Molecular Formula: C₇H₁₀N₆

Molecular Weight: 178.196

Accurate Mass: 178.096694

Percentage Composition: C 47.18%; H 5.66%; N 47.16%

Melting Point: Mp 300°