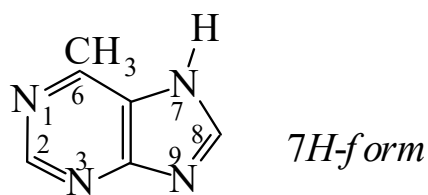




>>Entry Name: 6-Methylpurine



CAS Registry Number: 2004-03-7

Molecular Formula: C₆H₆N₄

Molecular Weight: 134.14

Accurate Mass: 134.059246

Percentage Composition: C 53.72%; H 4.51%; N 41.77%

Physical Description: Cryst.

Melting Point: Mp 236-237°

Solubility: BERDY SOL: Sol. H₂O, butanol

Hazard & Toxicity: LD₅₀ (mam, skn) 200 mg/kg

Aldrich: 85274-0

Sigma: M6502

>>Variant: 1*H*-form

Molecular Formula: C₆H₆N₄

Molecular Weight: 134.14

Accurate Mass: 134.059246

Percentage Composition: C 53.72%; H 4.51%; N 41.77%

>>Derivative: 1-Me

Synonym(s): 1,6-Dimethyl-1*H*-purine, 9Cl

CAS Registry Number: 80888-49-9

Molecular Formula: C₇H₈N₄

Molecular Weight: 148.167

Accurate Mass: 148.074896

Percentage Composition: C 56.74%; H 5.44%; N 37.81%

Physical Description: Solid (as hydroiodide)

Melting Point: Mp 239-241° (hydroiodide)

>>Variant: 7*H*-form

Molecular Formula: C₆H₆N₄

Molecular Weight: 134.14

Accurate Mass: 134.059246

Percentage Composition: C 53.72%; H 4.51%; N 41.77%

>>Derivative: 7-Me

Synonym(s): 6,7-Dimethyl-7*H*-purine, 9Cl

CAS Registry Number: 66122-65-4

Molecular Formula: C₇H₈N₄

Molecular Weight: 148.167

Accurate Mass: 148.074896

Percentage Composition: C 56.74%; H 5.44%; N 37.81%

Physical Description: Cryst.

Melting Point: Mp 228-230°

>>Variant: 9*H*-form

Molecular Formula: C₆H₆N₄

Molecular Weight: 134.14

Accurate Mass: 134.059246

Percentage Composition: C 53.72%; H 4.51%; N 41.77%

>>Derivative: 9-Me

Synonym(s): 6,9-Dimethyl-9*H*-purine, 9Cl