



Molecular Weight: 311.297
Accurate Mass: 311.12297
Percentage Composition: C 46.30%; H 5.50%; N 22.50%; O 25.70%
Biological Source: Constit. of *Maerua crassifolia*

>>Derivative: N^9 -Me

Synonym(s): 9-Methyl-9*H*-purin-6-amine, 9Cl. 6-Amino-9-methylpurine. 9-Methyladenine

CAS Registry Number: 700-00-5
Molecular Formula: $C_6H_7N_5$
Molecular Weight: 149.155
Accurate Mass: 149.070145
Percentage Composition: C 48.32%; H 4.73%; N 46.95%
Physical Description: Prisms (H_2O)
Melting Point: Mp 308-310°
pKa Value: pK_a 3.9 pK_a 3.88 (25°, H_2O)

>>Derivative: 6*N*, N^9 -Di-Me

CAS Registry Number: 2009-52-1
Molecular Formula: $C_7H_9N_5$
Molecular Weight: 163.182
Accurate Mass: 163.085795
Percentage Composition: C 51.52%; H 5.56%; N 42.92%
Physical Description: Prisms (C_6H_6)
Melting Point: Mp 181.5-182.5°

>>Derivative: N^9 -Et

Synonym(s): 9-Ethyl-9*H*-purin-6-amine, 9Cl. 9-Ethyladenine, 8Cl

CAS Registry Number: 2715-68-6
Extra CAS Registry Numbers(s): 31469-51-9
Molecular Formula: $C_7H_9N_5$
Molecular Weight: 163.182
Accurate Mass: 163.085795
Percentage Composition: C 51.52%; H 5.56%; N 42.92%
Physical Description: Cryst.
Melting Point: Mp 195-197°

>>Derivative: N^9 -Et, N^1 -oxide

CAS Registry Number: 10184-52-8
Molecular Formula: $C_7H_9N_5O$
Molecular Weight: 179.181
Accurate Mass: 179.08071
Percentage Composition: C 46.92%; H 5.06%; N 39.09%; O 8.93%
Physical Description: Prisms (H_2O)
Melting Point: Mp 219 dec.°

>>Derivative: 6*N*-(3-Hydroxybenzyl), 9-β-D-glucopyranosyl
Synonym(s): *meta*-Topolin 9-glucoside

Molecular Formula: $C_{18}H_{21}N_5O_6$
Molecular Weight: 403.394
Accurate Mass: 403.149185
Percentage Composition: C 53.59%; H 5.25%; N 17.36%; O 23.80%
Biological Source: Isol. from *Populus x canadensis* cv. *robusta*
Biological Use/Importance: Cytokinin
Physical Description: No phys. props. reported

>>Variant: 7*H*-form

Molecular Formula: $C_5H_5N_5$
Molecular Weight: 135.128
Accurate Mass: 135.054495
Percentage Composition: C 44.44%; H 3.73%; N 51.83%

>>Derivative: 7-Me