



Percentage Composition: C 51.52%; H 5.56%; N 42.92%

Melting Point: Mp 251-253°. Mp 262-264°

Aldrich: 85255-4

Fluka: 39400

Sigma: D2629

>>**Derivative:** 6*N*,6*N*-Di-Me, *N*³-oxide

CAS Registry Number: 30238-45-0

Molecular Formula: C₇H₉N₅O

Molecular Weight: 179.181

Accurate Mass: 179.08071

Percentage Composition: C 46.92%; H 5.06%; N 39.09%; O 8.93%

Physical Description: Needles (H₂O)

Melting Point: Mp 249.5-250.5°. Mp 276 dec.°

>>**Derivative:** 6*N*-Benzyl

Synonym(s): *N*-Benzyladenine, 8Cl. 6-Benzylaminopurine. Cytokinin B. BAP

CAS Registry Number: 1214-39-7

Molecular Formula: C₁₂H₁₁N₅

Molecular Weight: 225.252

Accurate Mass: 225.101445

Percentage Composition: C 63.99%; H 4.92%; N 31.09%

Biological Source: Widespread in plants

Biological Use/Importance: Plant growth regulator

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 229°

Aldrich: 85243-0

Fluka: 13153

Sigma: B3274

>>**Derivative:** 6*N*-(3-Hydroxybenzyl)

Synonym(s): 6*N*-(3-Hydroxybenzyl)adenine. *meta*-**Topolin**

Molecular Formula: C₁₂H₁₁N₅O

Molecular Weight: 241.252

Accurate Mass: 241.09636

Percentage Composition: C 59.74%; H 4.60%; N 29.03%; O 6.63%

Biological Source: Isol. from *Populus x canadensis* cv. *robusta*

Biological Use/Importance: Cytokinin

Physical Description: No phys. props reported

>>**Variant:** 9*H*-form

Molecular Formula: C₅H₅N₅

Molecular Weight: 135.128

Accurate Mass: 135.054495

Percentage Composition: C 44.44%; H 3.73%; N 51.83%

>>**Derivative:** 9-β-D-Ribofuranosyl

see Adenosine, [BWJ70-U](#)

>>**Derivative:** 9-α-D-Xylofuranosyl

see 9-Xylofuranosyladenine, [BTP55-C](#)

>>**Derivative:** 9-β-D-Xylofuranosyl

see 9-Xylofuranosyladenine, [BTP55-C](#)