



**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*<sup>3</sup>-oxide

**CAS Registry Number:** 30238-45-0  
**Molecular Formula:** C<sub>7</sub>H<sub>9</sub>N<sub>5</sub>O  
**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 (H<sub>2</sub>O)  
**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:** C<sub>12</sub>H<sub>11</sub>N<sub>5</sub>  
**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. (C<sub>6</sub>H<sub>6</sub>)  
**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:** C<sub>12</sub>H<sub>11</sub>N<sub>5</sub>O  
**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:** C<sub>5</sub>H<sub>5</sub>N<sub>5</sub>  
**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](#)