>>**Derivative:** 6*N*-Cyclohexyl, 2'-*O*-Me
Synonym(s): SDZ WAG 994

CAS Registry Number: 130714-47-5

Molecular Formula: $C_{17}H_{25}N_5O_4$
Molecular Weight: 363.416
Accurate Mass: 363.190655
Percentage Composition: C 56.19%; H 6.93%; N 19.27%; O 17.61%
Use/Importance: Selective adenosine A_1 receptor agonist
Melting Point: Mp 88-91°

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

CAS Registry Number: 4294-16-0

Molecular Formula: $C_{17}H_{19}N_5O_4$
Molecular Weight: 357.368
Accurate Mass: 357.143705
Percentage Composition: C 57.14%; H 5.36%; N 19.60%; O 17.91%
Biological Source: Isol. from various plant spp.
Melting Point: Mp 184-186°
Aldrich: 85244-9
Fluka: 13155
Sigma: B2276

>>**Derivative:** 6*N*-Benzyl, 3'-*O*-β-D-glucopyranosyl

CAS Registry Number: 150035-65-7

Molecular Formula: $C_{23}H_{29}N_5O_9$
Molecular Weight: 519.51
Accurate Mass: 519.19653
Percentage Composition: C 53.18%; H 5.63%; N 13.48%; O 27.72%
Biological Source: Prod. during shoot organogenesis in *Petunia* sp.

>>**Derivative:** 6*N*-(2-Hydroxybenzyl)
Synonym(s): Cytokinin R

CAS Registry Number: 50868-58-1

Molecular Formula: $C_{17}H_{19}N_5O_5$
Molecular Weight: 373.368
Accurate Mass: 373.13862
Percentage Composition: C 54.69%; H 5.13%; N 18.76%; O 21.43%
Biological Source: Isol. from leaves of poplar *Populus robusta*
UV: [acid] λ_{max} 260 (ε) (EtOH at pH 2) (Derep) [base] λ_{max} 265 (ε) (EtOH/pH 11) (Derep) [neutral] λ_{max} 266 (ε) (EtOH) (Derep)

>>**Derivative:** 6*N*-(3-Hydroxybenzyl)
Synonym(s): ***meta*-Topolin 9-riboside**

CAS Registry Number: 110505-76-5

Molecular Formula: $C_{17}H_{19}N_5O_5$
Molecular Weight: 373.368
Accurate Mass: 373.13862
Percentage Composition: C 54.69%; H 5.13%; N 18.76%; O 21.43%
Biological Source: Isol. from *Populus* x *canadensis* cv. *robusta*
Biological Use/Importance: Cytokinin
Melting Point: Mp 171-174°