Physical Description: Cryst. (MeOH)
Melting Point: Mp 266-271° (dec.)
Optical Rotation: $[\alpha]_D^{26}$ –14.8 (c, 3.5 in DMSO)

>>**Derivative:** 9-β-D-Glucopyranosyl

CAS Registry Number: 51255-96-0

Molecular Formula: $C_{16}H_{23}N_5O_6$
Molecular Weight: 381.388
Accurate Mass: 381.164835
Percentage Composition: C 50.39%; H 6.08%; N 18.36%; O 25.17%
Biological Source: Cytokinin, widely distributed in plants
UV: [neutral] λ_{max} 269 () (no solvent reported)

>>**Derivative:** 9-β-D-Ribofuranosyl
Synonym(s): 9-(β-D-Ribofuranosyl)zeatin. Ribosylzeatin

CAS Registry Number: 6025-53-2

Molecular Formula: $C_{15}H_{21}N_5O_5$
Molecular Weight: 351.361
Accurate Mass: 351.15427
Percentage Composition: C 51.28%; H 6.02%; N 19.93%; O 22.77%
Biological Source: Isol. from many plants
Melting Point: Mp 180-182°
Solubility: Sol. H_2O
UV: [acid] λ_{max} 265 (ε 19200) (pH 1 H_2O) (Derep) [base] λ_{max} 269 (ε 19400) (pH 13 H_2O) (Derep) [neutral] λ_{max} 270 (ε 18400) (95% EtOH) (Derep) [neutral] λ_{max} 270 (ε 18200) (MeOH) (Berdy) [neutral] λ_{max} 270 (ε 8100) (EtOH) (Berdy) [acid] λ_{max} 265 (ε 19100) (pH 1 buffer) (Berdy)
Fluka: 96089
Sigma: Z0375

>>**Derivative:** 9-β-D-Ribofuranosyl, 5"-phosphate
Synonym(s): Ribosylzeatin phosphate

CAS Registry Number: 25615-16-1
Extra CAS Registry Numbers(s): 15075-52-2

Molecular Formula: $C_{15}H_{22}N_5O_8P$
Molecular Weight: 431.341
Accurate Mass: 431.120602
Percentage Composition: C 41.77%; H 5.14%; N 16.24%; O 29.67%; P 7.18%
Biological Source: Isol. from *Zea mays*
Use/Importance: Cytokinin
Physical Description: Solid

>>**Derivative:** 9-β-D-Ribofuranosyl, *O*-β-D-glucopyranoside

CAS Registry Number: 62512-97-4

Molecular Formula: $C_{21}H_{31}N_5O_{10}$
Molecular Weight: 513.503
Accurate Mass: 513.207095
Percentage Composition: C 49.12%; H 6.08%; N 13.64%; O 31.16%
Biological Source: Cytokinin, widely distributed in plants
Other Data: No phys. props. accessible

>>**Derivative:** 9-β-D-Ribofuranosyl, *O*-[α-L-arabinopyranosyl-(1→4)-[β-D-galactopyranosyl-(1→2)-α-D-galactopyranosyl-(1→3)-α-L-arabinofuranosyl-(1→3)]-β-D-galactopyranoside]
Synonym(s): Gazer

CAS Registry Number: 171628-14-1

Molecular Formula: $C_{43}H_{67}N_5O_{28}$
Molecular Weight: 1102.019
Accurate Mass: 1101.397265
Percentage Composition: C 46.87%; H 6.13%; N 6.36%; O 40.65%
Biological Source: Constit. of coconut milk (*Cocos nucifera*)
Biological Use/Importance: Cytokinin
Optical Rotation: [α]