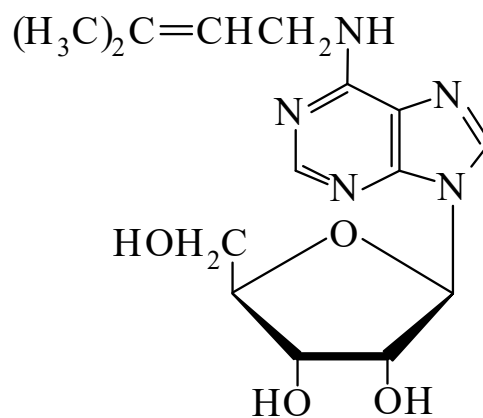




>>Entry Name: *N*-(3-Methyl-2-butenyl)adenosine, 9Cl, 8Cl

Synonym(s): 6-*N*-(γ,γ -Dimethylallyl)adenosine. **Riboprine**, INN, USAN. NSC 105546. *N*⁶-Isopentenyladenosine



CAS Registry Number: 7724-76-7

Molecular Formula: $\text{C}_{15}\text{H}_{21}\text{N}_5\text{O}_4$

Molecular Weight: 335.362

Accurate Mass: 335.159355

Percentage Composition: C 53.72%; H 6.31%; N 20.88%; O 19.08%

Biological Source: Constit. of yeast soluble ribonucleic acid (s-RNA)

Use/Importance: Exhibits cytokinin activity. Antineoplastic agent

Physical Description: Fine needles (MeCN/EtOH)

Development Status: Never marketed

Melting Point: Mp 145-147°

Optical Rotation: $[\alpha]_{\text{Hg}}^{25} -97$ (c, 0.7 in EtOH)

Solubility: BERDY SOL: Sol. H_2O

Calculated Log P Data: Log P -0.55 (calc)

UV: [neutral] λ_{max} 268 () (EtOH) (Berdy) [acid] λ_{max} 273 () (EtOH-HCl) (Berdy) [base] λ_{max} 275 () (EtOH-NaOH) (Berdy)

Other Data: λ_{max} 265 (ϵ 20 400) (pH 1), 269 nm (20 000) (pH 7-12)

Aldrich: 85261-9

Sigma: D7036

References:

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