4′-Ethynyl-2′-deoxyadenosine

**Cat. No.:** HY-125810  
**CAS No.:** 306305-07-7  
**Molecular Formula:** C₁₂H₁₃N₅O₃  
**Molecular Weight:** 275.26  
**Target:** HIV; Reverse Transcriptase  
**Pathway:** Anti-infection  
**Storage:** Please store the product under the recommended conditions in the COA.

### BIOLOGICAL ACTIVITY

**Description**  
4′-Ethynyl-2′-deoxyadenosine (4′-E-dA), a nucleoside reverse transcriptase (RT) inhibitor, is an antiretroviral agent which is potent against drug-resistant HIV variants, with an EC₅₀ of 98 nM in MT-4 cells for anti-HIV-1 activity[1].

| IC₅₀ & Target | EC50: 98 nM (MT-4 cells)[¹]. |

### REFERENCES


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**Caution:** Product has not been fully validated for medical applications. For research use only.

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