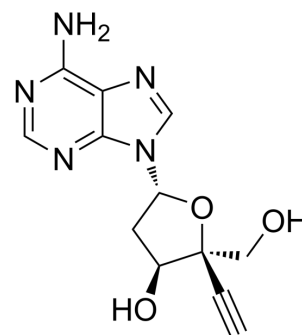


## 4'-Ethyneyl-2'-deoxyadenosine

Cat. No.:	HY-125810
CAS No.:	306305-07-7
Molecular Formula:	C <sub>12</sub> H <sub>13</sub> N <sub>5</sub> O <sub>3</sub>
Molecular Weight:	275.26
Target:	HIV; Reverse Transcriptase
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	4'-Ethyneyl-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 EC <sub>50</sub> of 98 nM in MT-4 cells for anti-HIV-1 activity <sup>[1]</sup> . 4'-Ethyneyl-2'-deoxyadenosine is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
IC <sub>50</sub> & Target	HIV-1

### REFERENCES

[1]. Ohri H, et al. 4'-C-substituted-2'-deoxynucleosides: a family of antiretroviral agents which are potent against drug-resistant HIV variants. *Curr Drug Targets Infect Disord.* 2001 May;1(1):1-10.

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

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