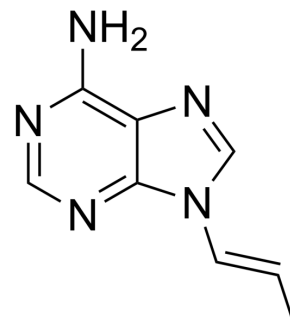


## 9-Propenyladenine

Cat. No.:	HY-100079		
CAS No.:	1446486-33-4		
Molecular Formula:	C <sub>8</sub> H <sub>9</sub> N <sub>5</sub>		
Molecular Weight:	175.19		
Target:	HIV		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 29 mg/mL (165.53 mM)  
 \* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.7081 mL	28.5404 mL	57.0809 mL
	5 mM	1.1416 mL	5.7081 mL	11.4162 mL
	10 mM	0.5708 mL	2.8540 mL	5.7081 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

9-Propenyladenine is a mutagenic impurity in tenofovir disoproxil fumarate. Tenofovir is an antiretroviral agent known as nucleotide analogue reverse transcriptase inhibitors, which block reverse transcriptase, a crucial virus enzyme in HIV-1 and HBV.

#### IC<sub>50</sub> & Target

HIV-1

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

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