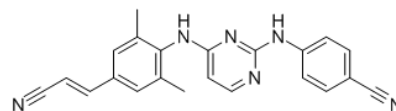


**Product Name** : Rilpivirine  
**Cat. No.** : PC-42661  
**CAS No.** : 500287-72-9  
**Molecular Formula** : C<sub>22</sub>H<sub>18</sub>N<sub>6</sub>  
**Molecular Weight** : 366.4185  
**Target** : HIV  
**Solubility** : 10 mM in DMSO



## Biological Activity

Rilpivirine (R278474, TMC278) is a highly potent nonnucleoside inhibitor (**NNRTI**) of HIV-1 reverse trK7912:M7912anscriptase with IC<sub>50</sub> of 0.4 nM for WT HIV-1 in cell-based assay.

Rilpivirine (R278474, TMC278) shows activity against a panel of single and double HIV-1 site-directed mutant (IC<sub>50</sub>=0.3-2 nM); orally active.

## References

Janssen PA, et al. *J Med Chem*. 2005 Mar 24;48(6):1901-9.

Das K, et al. *Proc Natl Acad Sci U S A*. 2008 Feb 5;105(5):1466-71.

Azijn H, et al. *Antimicrob Agents Chemother*. 2010 Feb;54(2):718-27.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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