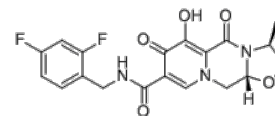


**Product Name** : Cabotegravir  
**Cat. No.** : PC-21806  
**CAS No.** : 1051375-10-0  
**Molecular Formula** : C<sub>19</sub>H<sub>17</sub>F<sub>2</sub>N<sub>3</sub>O<sub>5</sub>  
**Molecular Weight** : 405.36  
**Target** : HIV  
**Solubility** : 10 mM in DMSO



## Biological Activity

Cabotegravir (GSK-1265744) is a potent, selective HIV-1 integrase inhibitor with IC<sub>50</sub> of 3 nM in biochemical integrase strand transfer assay (INST).

Cabotegravir (GSK-1265744) shows IC<sub>50</sub> of 1.3 nM in MT-4 cell assays, and a pHIV IC<sub>50</sub> of <2 nM against the Q148K variant, IC<sub>50</sub> of 0.2 nM in peripheral blood mononuclear cell (PBMC) HIV multiround replication assays.

Cabotegravir (GSK-1265744) formulated as a long-acting (LA) injectable protects macaques from intrarectal simian/human immunodeficiency virus.

## References

Johns BA, et al. J Med Chem. 2013 Jul 25;56(14):5901-16.

Andrews CD, et al. Science. 2014 Mar 7;343(6175):1151-4.

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

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