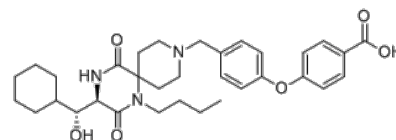


**Product Name** : Aplaviroc  
**Cat. No.** : PC-61968  
**CAS No.** : 461443-59-4  
**Molecular Formula** : C<sub>33</sub>H<sub>43</sub>N<sub>3</sub>O<sub>6</sub>  
**Molecular Weight** : 577.722  
**Target** : Chemokine Receptor (CCR and CXCR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Aplaviroc (GSK-873140, GW 873140, AK-602, ONO-4128) is a potent, noncompetitive, allosteric antagonist of the **CCR5 receptor** with pK<sub>b</sub> of 8.6.

Aplaviroc blocks the calcium response effects of CCR5 activation by CCL5, and potently blocks in vitro the infection of R5-tropic HIV-1 (R5-HIV-1) at subnanomolar IC<sub>50</sub>.

## References

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Lalezari J, et al. *AIDS*. 2005 Sep 23;19(14):1443-8.

Adkison KK, et al. *Antimicrob Agents Chemother*. 2005 Jul;49(7):2802-6.

Nakata H, et al. *Antimicrob Agents Chemother*. 2008 Jun;52(6):2111-9.

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

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