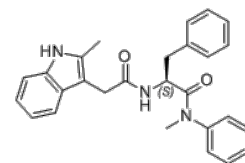


**Product Name** : PF-3450074  
**Cat. No.** : PC-63542  
**CAS No.** : 1352879-65-2  
**Molecular Formula** : C<sub>27</sub>H<sub>27</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 425.532  
**Target** : HIV  
**Solubility** : 10 mM in DMSO



## Biological Activity

PF-3450074 (PF74) is a small molecule **HIV capsid** protein, destabilized the viral capsid in vitro.

PF-3450074 (PF74) acts at an early stage of HIV-1 infection and inhibits reverse transcription in target cells, induced the rapid dissolution of the HIV-1 capsid.

PF-3450074 (PF74) antiviral activity is promoted by binding of the host protein cyclophilin A to the HIV-1 capsid, and PF74 and cyclosporine exhibited mutual antagonism.

## References

Shi J, et al. *J Virol.* 2011 Jan;85(1):542-9.

Shi J, et al. *J Virol.* 2015 Jan;89(1):208-19.

Zhou J, et al. *J Virol.* 2015 Sep;89(17):9068-79.

Saito A, et al. *J Virol.* 2016 May 27;90(12):5808-5823.

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

E-mail: tech@probechem.com