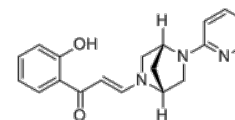


**Product Name** : PFI-3  
**Cat. No.** : PC-62279  
**CAS No.** : 1819363-80-8  
**Molecular Formula** : C<sub>19</sub>H<sub>19</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 321.38  
**Target** : Bromodomain  
**Solubility** : 10 mM in DMSO



## Biological Activity

PFI-3 (PF-06687252) is a potent and cell active **BRG/PB1 bromodomains** inhibitor with K<sub>d</sub> of 54-97 nM. PFI-3 (PF-06687252) shows high selectivity over other bromodomains. Exposure of embryonic stem cells to PFI-3 led to deprivation of stemness and deregulated lineage specification. PFI-3 (PF-06687252) markedly enhances the differentiation of trophoblast stem cells. PFI-3 (PF-06687252) attenuates adipocyte differentiation and dramatically decreases lipid accumulation. PFI-3 (PF-06687252) a first in class chemical probe for Family VIII bromodomains.

## References

- Fedorov O, et al. *Sci Adv.* 2015 Nov 13;1(10):e1500723.  
Vangamudi B, et al. *Cancer Res.* 2015 Sep 15;75(18):3865-78.  
Gerstenberger BS, et al. *J Med Chem.* 2016 May 26;59(10):4800-11.

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

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