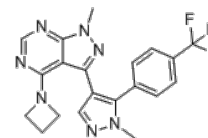


**Product Name** : PF-05085727  
**Cat. No.** : PC-61126  
**CAS No.** : 1415637-72-7  
**Molecular Formula** : C<sub>20</sub>H<sub>18</sub>F<sub>3</sub>N<sub>7</sub>  
**Molecular Weight** : 413.408  
**Target** : Phosphodiesterase (PDE)  
**Solubility** : 10 mM in DMSO



## Biological Activity

PF-05085727 is a potent, selective, brain penetrant phosphodiesterase 2A (**PDE2A**) inhibitor with IC<sub>50</sub> of 2 nM, >4,000-fold selectivity over PDE1 and PDE3-11.

PF-05085727 increases brain cGMP accumulation in rodent brain regions expressing highest levels of PDE2A.

PF-05085727 demonstrates in vivo activity for clinical cognition indications.

## References

Helal CJ, et al. J Med Chem. 2017 Jul 13;60(13):5673-5698.

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

E-mail: tech@probechem.com