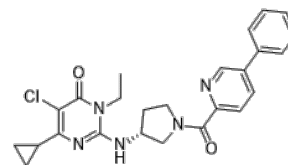


**Product Name** : PDE7A inhibitor 26  
**Cat. No.** : PC-23896  
**CAS No.** : 3074559-75-1  
**Molecular Formula** : C<sub>25</sub>H<sub>26</sub>ClN<sub>5</sub>O<sub>2</sub>  
**Molecular Weight** : 463.97  
**Target** : Phosphodiesterase (PDE)  
**Solubility** : 10 mM in DMSO



### Biological Activity

PDE7A inhibitor 26 (PDE7A-IN-1) is a potent, selective **PDE7A** inhibitor with IC<sub>50</sub> of 3.7 nM, 54-fold selective over PDE7B. PDE7A inhibitor 26 weakly inhibits PDE4D with IC<sub>50</sub> of 1.6 μM. PDE7A inhibitor 26 exhibits cell IC<sub>50</sub> of 0.39 μM for ECR5 enhancer activity. PDE7A inhibitor 26 is a useful probe to unveil new pharmacological roles of PDE7A-dependent signaling, as exemplified by the in vivo antiosteoporotic effects.

### References

Kondo K, et al. *ACS Med Chem Lett.* 2024 Dec 27;16(1):167-173.

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

E-mail: tech@probechem.com