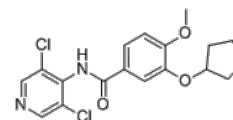


---

<b>Product Name</b>	: Piclamilast
<b>Cat. No.</b>	: PC-63089
<b>CAS No.</b>	: 144035-83-6
<b>Molecular Formula</b>	: C <sub>18</sub> H <sub>18</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight</b>	: 381.253
<b>Target</b>	: Phosphodiesterase (PDE)
<b>Solubility</b>	: 10 mM in DMSO



## Biological Activity

Piclamilast (RP-73401) is a potent and highly selective **PDE4** inhibitor with IC<sub>50</sub> of 1.2 nM. Piclamilast displays >19,000-fold selectivity for PDE4 compared to other PDE isoenzymes. Piclamilast shows anti-inflammatory and bronchodilator properties in guinea-pig and rat models of bronchoconstriction and allergic inflammation.

## References

- Ashton MJ, et al. *J Med Chem*. 1994 May 27;37(11):1696-703.  
Raeburn D, et al. *Br J Pharmacol*. 1994 Dec;113(4):1423-31.  
Souness JE, et al. *Br J Pharmacol*. 1995 May;115(1):39-46.

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

E-mail: tech@probechem.com

---