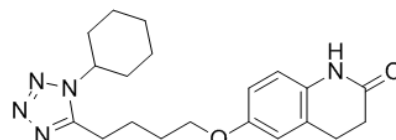


**Product Name** : Cilostazol  
**Cat. No.** : PC-45282  
**CAS No.** : 73963-72-1  
**Molecular Formula** : C<sub>20</sub>H<sub>27</sub>N<sub>5</sub>O<sub>2</sub>  
**Molecular Weight** : 369.4607  
**Target** : Phosphodiesterase (PDE)  
**Solubility** : 10 mM in DMSO



### Biological Activity

Cilostazol (OPC 13013, OPC 21) is a potent, selective inhibitor of **PDE3A** with IC<sub>50</sub> of 0.2 μM.

Cilostazol (OPC 13013, OPC 21) inhibits platelet aggregation and has considerable antithrombotic effects in vivo.

Cilostazol (OPC 13013, OPC 21) relaxes vascular smooth muscle and inhibits mitogenesis and migration of vascular smooth muscle cells.

Cilostazol (OPC 13013, OPC 21) also upregulates autophagy via SIRT1 activation, has preventive effects on various central nervous system (CNS) diseases.

### References

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Lee HR, et al. *PLoS One.* 2015 Aug 5;10(8):e0134486.

Qi DS, et al. *Brain Res.* 2016 Dec 15;1653:67-74.

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

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