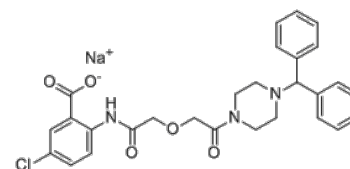


**Product Name** : TM-5275  
**Cat. No.** : PC-60844  
**CAS No.** : 1103926-82-4  
**Molecular Formula** : C<sub>28</sub>H<sub>27</sub>ClN<sub>3</sub>NaO<sub>5</sub>  
**Molecular Weight** : 543.98  
**Target** : Plasminogen Activator Inhibitor-1 (PAI-1)  
**Solubility** : 10 mM in DMSO



## Biological Activity

TM-5275 (TM5275) is a potent, orally active **PAI-1** (plasminogen activator inhibitor-1) inhibitor with IC<sub>50</sub> of 6.95  $\mu$ M. TM-5275 does not interfere with other serpin/serine protease systems ( $\alpha$ 1-antitrypsin/trypsin and  $\alpha$ 2-antiplasmin/plasmin). TM-5275 exhibits antithrombotic effect in an arterial venous shunt thrombosis model (1-10 mg/kg). TM-5275 blocks TGF- $\beta$ 1-induced lung fibrosis, and induces apoptosis in both myofibroblasts (TGF- $\beta$ 1-treated) and naive (TGF- $\beta$ 1-untreated) human lung fibroblasts.

## References

- Izuhara Y, et al. *J Cereb Blood Flow Metab.* 2010 May;30(5):904-12.  
Huang WT, et al. *Am J Respir Cell Mol Biol.* 2012 Jan;46(1):87-95.  
Tashiro Y, et al. *Blood.* 2012 Jun 28;119(26):6382-93.

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

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