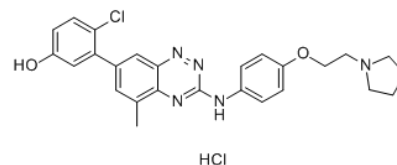


**Product Name** : TG 100572 hydrochloride  
**Cat. No.** : PC-42432  
**CAS No.** : 867331-64-4  
**Molecular Formula** : C<sub>26</sub>H<sub>27</sub>Cl<sub>2</sub>N<sub>5</sub>O<sub>2</sub>  
**Molecular Weight** : 512.4309  
**Target** : Src  
**Solubility** : DMSO: ≥ 44 mg/mL



## Biological Activity

TG100572 hydrochloride is a potent, dual receptor tyrosine kinase/**Src kinase** inhibitor with IC<sub>50</sub> of 2-16 nM for VEGFR, FGFR and PDGFR, 0.1-5 nM for Src family.

TG100572 inhibits vascular endothelial cell proliferation in vitro (ED<sub>50</sub>=610 nM) and blocks VEGF-induced phosphorylation of ERK.

TG100572 induces apoptosis; significant suppresses laser-induced choroidal neovascularization (CNV) in a murine model.

## References

Doukas J, et al. J Cell Physiol. 2008 Jul;216(1):29-37.

Sharma S, et al. J Virol. 2011 Jun;85(12):5995-6007.

Palanki MS, et al. J Med Chem. 2008 Mar 27;51(6):1546-59.

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

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