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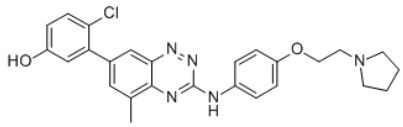
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	TG 100572
Cat. No.	:	PC-42431
CAS No.	:	867334-05-2
Molecular Formula	:	$C_{26}H_{26}ClN_5O_2$
Molecular Weight	:	475.9699
Target	:	Src
Solubility	:	10 mM in DMSO



Biological Activity

TG100572 is a potent, dual receptor tyrosine kinase/**Src kinase** inhibitor with IC50 of 2-16 nM for VEGFR, FGFR and PDGFR, 0.1-5 nM for Src family.
TG100572 inhibits vascular endothelial cell proliferation in vitro (ED50=610 nM) and blocks VEGF-induced phosphorylation of ERK, induces apoptosis.
TG100572 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.

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