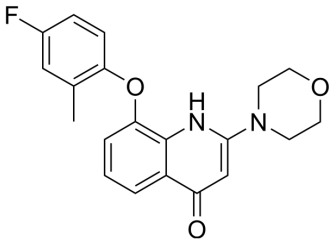
TGX-155

Cat. No.:	HY-105666
CAS No.:	351071-90-4
Molecular Formula:	$C_{20}H_{19}FN_2O_3$
Molecular Weight:	354.37
Target:	PI3K
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	TGX-155 (AZ12649385) is a selective inhibitor of PI3Kβ. TGX-155 has potential applications in antithrombotic therapy[1][2][3].
IC_{50} & Target	PI3Kβ
In Vivo	TGX-155 (1.5 mg/kg and 2.5 mg/kg; i.v.; single dose) significantly improves the cyclic flow reductions (CFRs) in rabbit carotid artery injury in a time-dependent and dose-dependent manner[3]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Verheijen J C, et al. Phosphatidylinositol 3-kinase (PI3K) inhibitors as anticancer drugs[J]. Drugs Future, 2007, 32(6): 537-547.

[2]. Nylander S, et al. Human target validation of phosphoinositide 3-kinase (PI3K)β: effects on platelets and insulin sensitivity, using AZD6482 a novel PI3Kβ inhibitor. J Thromb Haemost. 2012 Oct;10(10):2127-36.

[3]. Sturgeon SA, et al. Adaptation of the Folts and electrolytic methods of arterial thrombosis for the study of anti-thrombotic molecules in small animals. J Pharmacol Toxicol Methods. 2006 Jan-Feb;53(1):20-9.

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