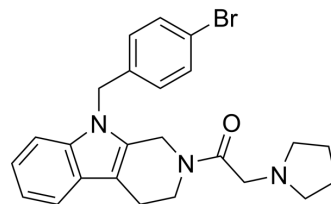


YF-452

Cat. No.:	HY-120200
CAS No.:	1951466-83-3
Molecular Formula:	C ₂₄ H ₂₆ BrN ₃ O
Molecular Weight:	452.39
Target:	VEGFR
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	YF-452 is a potent inhibitor of vascular endothelial growth factor receptor 2 (VEGFR2). YF-452 remarkably inhibits the migration, invasion and tube-like structure formation of human umbilical vein endothelial cells (HUVECs) with little toxicity. YF-452 inhibits VEGF-induced phosphorylation of VEGFR2 kinase and the downstream protein kinases including extracellular signal regulated kinase (ERK), focal adhesion kinase (FAK) and Src. YF-452 is a potential antiangiogenic agent candidate for cancer research ^[1] .
IC ₅₀ & Target	VEGFR2

REFERENCES

[1]. Liu Y, et al. A novel synthetic small molecule YF-452 inhibits tumor growth through antiangiogenesis by suppressing VEGF receptor 2 signaling. *Sci China Life Sci.* 2017 Feb;60(2):202-214.

Caution: Product has not been fully validated for medical applications. For research use only.

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