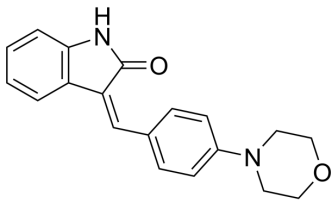
hVEGF-IN-2

Cat. No.:	HY-148316
CAS No.:	186610-88-8
Molecular Formula:	$C_{19}H_{18}N_2O_2$
Molecular Weight:	306.36
Target:	VEGFR
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	hVEGF-IN-2 (compound 19) is a selective VEGF (Flk-1) receptor tyrosine kinases (RTK) inhibitor with an IC_{50} value of 2.5 μM. hVEGF-IN-2 inhibits PDGF RTK activity with an IC_{50} value of 33.1 μM. hVEGF-IN-2 can be used for the development of RTK-specific agents[1].	
IC_{50} & Target	VEGFR1 2.5 μM (IC_{50})	PDGF 33.1 μM (IC_{50})
In Vitro	hVEGF-IN-2 (0-100 μM) shows the inhibitory activities to particular RTKs at the cellular level with IC_{50} values of 2.5, 33.1, ☒100, ☒100 and ☒100 nM for VEGF, PDGF, EGF, HER-2 and IGF-1, respectively[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Sun L, et al. Synthesis and biological evaluations of 3-substituted indolin-2-ones: a novel class of tyrosine kinase inhibitors that exhibit selectivity toward particular receptor tyrosine kinases. J Med Chem. 1998 Jul 2;41(14):2588-603.

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