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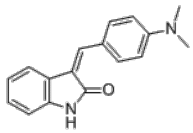
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	SU4312
Cat. No.	:	PC-61860
CAS No.	:	5812-07-7
Molecular Formula	:	$C_{17}H_{16}N_2O$
Molecular Weight	:	264.3
Target	:	VEGFR
Solubility	:	10 mM in DMSO



Biological Activity

SU 4312 (NSC 86429) is a selective, cell-permeable, brain-penetrant inhibitor of **VEGFR2** and PDGFR tyrosine kinase with IC50 of 0.8 and 19.4 uM, respectively.
SU 4312 displays no significant inhibitory activity against EGFR, HER2, and IGF-1R (>100 uM).
SU 4312 exhibits neuroprotection against MPP(+) at least partly via selective and direct inhibition of nNOS.
SU 4312 inhibits VEGF-dependent angiogenesis in a zebrafish assay (IC50=1.8 uM) without affecting normal cells.

References

Sun L, et al. J Med Chem. 1998 Jul 2;41(14):2588-603.

Tran TC, et al. Cancer Res. 2007 Dec 1;67(23):11386-92.

Cui W, et al. Br J Pharmacol. 2013 Mar;168(5):1201-14.

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

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