



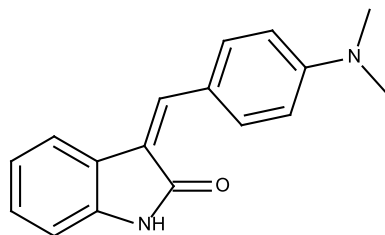
Catalog # 10-1027

SU-4312

CAS# 5812-07-7

3-(4-Dimethylaminobenzylidene)-1,3-dihydroindol-2-one

Lot # X101207



Potent selective inhibitor of VEGFR kinase (Flk-1 and KDR). Inhibition of the activated kinase (IC_{50} = 0.4 μ M) is 100-fold less than inhibition of the unactivated kinase (IC_{50} = 0.04 μ M). Also inhibits PDGFR kinase (IC_{50} = 19.4 μ M).

- 1) Kendall *et al.* (1999), *Vascular endothelial growth factor receptor KDR tyrosine kinase activity is increased by autophosphorylation of two activation loop tyrosine residues*; J. Biol. Chem., **274** 6453
- 2) Sun *et al.* (1998), *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., **41** 2588

PHYSICAL DATA

Molecular Weight:	264.33
Molecular Formula:	C ₁₇ H ₁₆ N ₂ O
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml)
Physical Description:	Orange solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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