

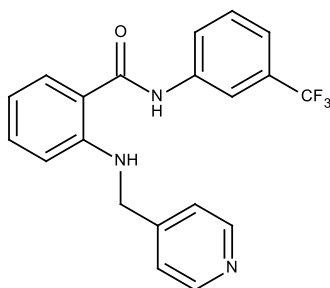
Catalog # 10-1034

AAL-993

CAS# 269390-77-4

2-[(4-Pyridyl)methyl]amino-N-[3-(trifluoromethyl)phenyl]benzamide

Lot # FBM3023



Inhibits VEGFR-1 (IC_{50} = 130 nM), VEGFR-2 (IC_{50} = 23 nM), and VEGFR-3 (IC_{50} = 18 nM). PDGFR- β , cKit, and CSF-1R are also inhibited at higher concentrations (IC_{50} 's 640 nM, 236 nM and 380 nM respectively). Screening studies have shown no inhibitory activity against a range of other kinases. Antiangiogenesis activity. X-Ray crystallography has shown that AAL-993 binds to the catalytic domain of VEGFR-2 when the protein is in an inactive conformation. Cell permeable, active *in vivo* and in whole animal studies.

- 1) Manley *et al.* (2002), *Anthranilic acid amides: a novel class of antiangiogenic VEGF receptor kinase inhibitors*; J. Med. Chem., **45** 5687
- 2) Manley *et al.* (2004), *Advances in the structural biology, design and clinical development of VEGF-R kinase inhibitors for the treatment of angiogenesis*; Biochim. Biophys. Acta, **1697** 17

PHYSICAL DATA

Molecular Weight:	371.36
Molecular Formula:	C ₂₀ H ₁₆ F ₃ N ₃ O
Purity:	98% by TLC [60% Ethyl acetate/hexane; R _f = 0.36]
	NMR: (Conforms)
Solubility:	DMSO (> 25 mg/ml), Ethanol (up to 15 mg/ml)
Physical Description:	Off-White solid
Storage and Stability:	Store as supplied at room temperature for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.