



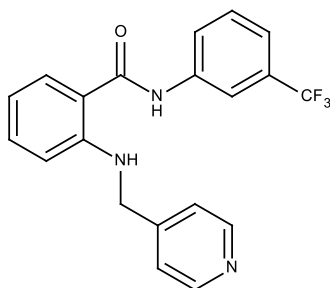
**Catalog # 10-1034**

**AAL-993**

CAS# 269390-77-4

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

Lot # Z101227



Inhibits VEGFR-1 ( $IC_{50}$  = 130 nM), VEGFR-2 ( $IC_{50}$  = 23 nM), and VEGFR-3 ( $IC_{50}$  = 18 nM). PDGFR- $\beta$ , 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. 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 <sub>20</sub> H <sub>16</sub> F <sub>3</sub> N <sub>3</sub> O
Purity:	98% by TLC [60% Ethyl acetate/hexane; R <sub>f</sub> = 0.36] NMR: (Conforms)
Solubility:	DMSO ( > 25 mg/ml), Ethanol (up to 15 mg/ml)
Physical Description:	Pale yellow 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.

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