

AAL-993, VEGFR inhibitor

Catalog	Unit
TBI1034-5MG	5 mg
TBI1034-25MG	25 mg

Product Details

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

Molecular Formula: C₂₀H₁₆F₃N₃O

Formula Weight: 371.36

CAS Number: 269390-77-4

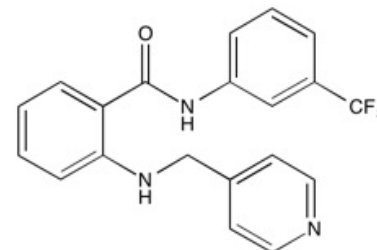
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 15 mg/ml).

Storage: RT

Stability: ≥ 1 year.



Applications

VEGFR inhibitor

Functions

Inhibits VEGFR-1 (IC₅₀ = 130 nM), VEGFR-2 (IC₅₀ = 23 nM), and VEGFR-3 (IC₅₀ = 18 nM). PDGFR-β, cKit, and CSF-1R are also inhibited at higher concentrations (IC₅₀'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.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 15 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.