

Cediranib, VEGFR inhibitor

Catalog	Unit
TBI4142-5MG	5 mg
TBI4142-25MG	25 mg

Product Details

Formal Name: 4-[(4-Fluoro-2-methyl-1H-indol-5-yl)oxy]-6-methoxy-7-[3-(1-pyrrolidinyl)propoxy]-quinazoline

Alternate Names: AZD2171

Molecular Formula: C₂₅H₂₇FN₄O₃

Formula Weight: 450.5

CAS Number: 288383-20-0

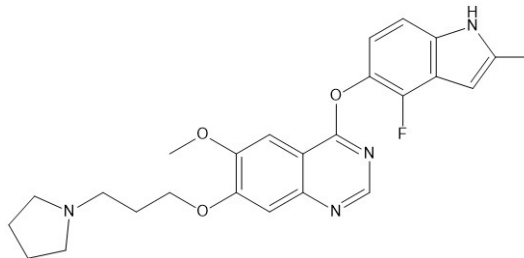
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 20 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

VEGFR inhibitor

Functions

ATP-competitive inhibitor of VEGFR2 (IC₅₀ = <1 nM) which also potently inhibits PDGFR1, VEGFR3, VEGFR1, c-Kit, PDGFR2 and FGFR1 (IC₅₀s = 2, 3, 5, 5, 26 and 36 nM). As an oral anti-angiogenic agent, it has shown promise in various cancers, either alone or in combination with a PARP inhibitor. Cediranib enhances MHC-1 by upregulating IRF-1, enhancing responsiveness to immune therapy.

Application Procedures

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

For research use only.