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# Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

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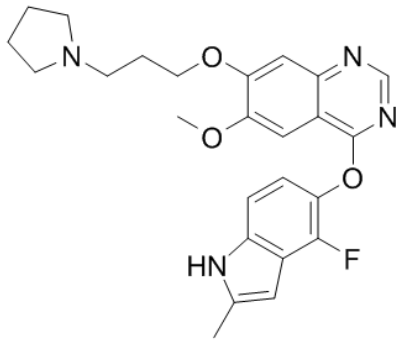
|---|---|---|
| **Product Name** | : | Cediranib |
| **Cat. No.** | : | PC-42450 |
| **CAS No.** | : | 288383-20-0 |
| **Molecular Formula** | : | $C_{25}H_{27}FN_4O_3$ |
| **Molecular Weight** | : | 450.5053 |
| **Target** | : | VEGFR |
| **Solubility** | : | DMSO: ≥ 49 mg/mL |




## Biological Activity

Cediranib (AZD2171) is a highly potent, orally bioavailable, **pan-VEGFR** inibitor with IC50 of 1, 5, 3 nM for VEGFR1, 2, 3, respectively.
Cediranib (AZD2171) also inhibits c-Kit and PDGFRβ with IC50 of 2 and 5 nM, >36-fold selectivity over PDGFR-α, >1000-fold over Flt-3 and EGFR.
Cediranib (AZD2171) inhibits VEGF-stimulated proliferation and KDR phosphorylation with IC50 of 0.4 and 0.5 nM in human umbilical vein endothelial cells.
Cediranib (AZD2171) inhibits angiogenesis, neovascular survival and tumor growth in vivo.

## References


Wedge SR, et al. ***Cancer Res.*** 2005 May 15;65(10):4389-400.

Denduluri N, et al. ***Clin Breast Cancer.*** 2005 Dec;6(5):460-3.

Batchelor TT, et al. ***Cancer Cell.*** 2007 Jan;11(1):83-95.

Cao C, et al. ***Cancer Res.*** 2006 Dec 1;66(23):11409-15.





E-mail: tech@probechem.com