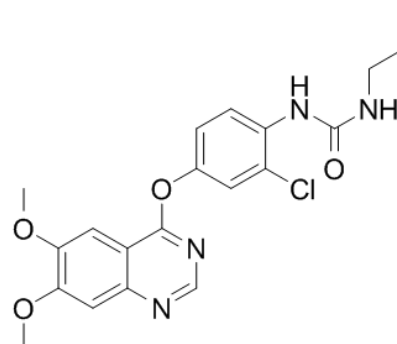


**Product Name** : KRN-633  
**Cat. No.** : PC-42875  
**CAS No.** : 286370-15-8  
**Molecular Formula** : C<sub>20</sub>H<sub>21</sub>ClN<sub>4</sub>O<sub>4</sub>  
**Molecular Weight** : 416.8582  
**Target** : VEGFR  
**Solubility** : 10 mM in DMSO



## Biological Activity

KRN-633 is a potent, selective VEGFR-2 inhibitor that inhibits the phosphorylation of VEGFR-2 with IC<sub>50</sub> of 1.16 nM, also inhibits VEGFR-1, c-Kit and PDGFR-β with IC<sub>50</sub> of 11.7, 8.01 and 130 nM; does not inhibit the phosphorylation of FGFR-1, EGFR, or c-Met at 10 μM; blocks the activation of mitogen-activated protein kinases by VEGF, inhibits VEGF-driven proliferation of HUVECs with IC<sub>50</sub> of 14.9 nM; inhibits tumor growth in several in vivo tumor xenograft models with diverse tissue origins, including lung, colon, and prostate, in athymic mice and rats.

Solid Tumors

Phase 1 Clinical

## References

Matsunaga N, et al. Mol Cancer Ther. 2006 Jan;5(1):80-8.

Wada Y, et al. J Pharmacol Sci. 2010;112(3):290-8.

Morita A, et al. Exp Eye Res. 2014 Mar;120:127-37.

Nakamura K, et al. Mol Cancer Ther. 2004 Dec;3(12):1639-49.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com