

**Product Name** : Tivozanib

**Synonyms** : AV-951;AV951;AV 951

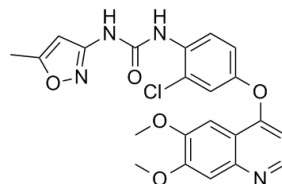
**Cat No.** : M14578

**CAS Number** : 475108-18-0

**Molecular Formula** : C<sub>22</sub>H<sub>19</sub>ClN<sub>4</sub>O<sub>5</sub>

**Formula Weight** : 454.86

**Chemical Name** : Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyloxy)phenyl]-N'-(5-methyl-3-isoxazolyl)-



**Description** : A highly potent inhibitor of pan-VEGFR with IC<sub>50</sub>s of 60/6.5/15 nM for VEGFR1/2/3; also inhibits EphB2, PDGFR- $\alpha$ , PDGFR- $\beta$ , c-Kit, and Tie2 (IC<sub>50</sub>=20-80 nM); inhibits VEGF-induced VEGFR-2 phosphorylation in endothelial cells (IC<sub>50</sub>=0.16 nM); p.o. active. Kidney Cancer Approved

**Pathway** : Angiogenesis

**Target** : VEGFR

**Receptor** : EphB2;PDGFR $\alpha$ ;VEGFR1;VEGFR2;VEGFR3

**Solubility** : 10 mM in DMSO

**SMILES** : O=C(NC1=NOC(C)=C1)NC2=CC=C(OC3=CC=NC4=CC(OC)=C(OC)C=C34)C=C2Cl

**Storage** : (-20°C)

**Stability** :  $\geq 2$  years

**Reference** :

1. Nakamura K, et al. Cancer Res. 2006 Sep 15;66(18):9134-42. | 2. Eskens FA, et al. Clin Cancer Res. 2011 Nov 15;17(22):7156-63. | 3. Momeny M, et al. Sci Rep. 2017 Apr 6;7:45954.