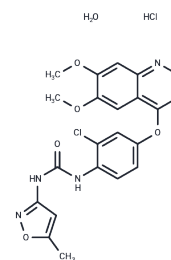


Tivozanib hydrochloride hydrate

Chemical Properties

CAS No. :	682745-41-1
Formula:	C ₂₂ H ₂₂ Cl ₂ N ₄ O ₆
Molecular Weight:	509.34
Appearance:	no data available
Storage:	keep away from direct sunlight,keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Tivozanib hydrochloride hydrate (AV-951 hydrochloride hydrate) is an orally active, selective, and potent vascular endothelial growth factor receptor (VEGFR) tyrosine kinase inhibitor that inhibits VEGFR-1, VEGFR-2, and VEGFR-3.
Targets(IC50)	VEGFR
In vitro	Tivozanib hydrochloride hydrate (0-100 nM; 24 hours) inhibited the proliferation of HUVEC cells[1].
In vivo	In the Calu-6 tumor-bearing athymic mice model, Tivozanib hydrochloride hydrate (0.04-1 mg/kg/day; orally, for 14-21 days) inhibits tumor growth, angiogenesis, and vascular permeability[1].

Solubility Information

Solubility	DMSO: 100 mg/mL (196.33 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9633 mL	9.8166 mL	19.6333 mL
5 mM	0.3927 mL	1.9633 mL	3.9267 mL
10 mM	0.1963 mL	0.9817 mL	1.9633 mL
50 mM	0.0393 mL	0.1963 mL	0.3927 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Nakamura K, et al., KRN951, a highly potent inhibitor of vascular endothelial growth factor receptor tyrosine kinases, has antitumor activities and affects functional vascular properties. Cancer Res. 2006 Sep 15;66(18):9134-

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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