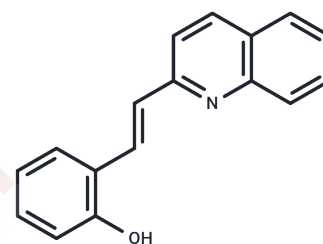


Quininib

Chemical Properties

CAS No. :	143816-42-6
Formula:	C17H13NO
Molecular Weight:	247.29
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Quininib is a selective antagonist of CysLTR1 and CysLTR2, with IC50 values of 1.2 and 52 μM, respectively, exhibiting anti-angiogenic and anti-tumour effects.
Targets(IC50)	LTR,Leukotriene Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0438 mL	20.2192 mL	40.4384 mL
5 mM	0.8088 mL	4.0438 mL	8.0877 mL
10 mM	0.4044 mL	2.0219 mL	4.0438 mL
50 mM	0.0809 mL	0.4044 mL	0.8088 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Butler CT, et al. A Quininib Analogue and Cysteinyl Leukotriene Receptor Antagonist Inhibits Vascular Endothelial Growth Factor (VEGF)-independent Angiogenesis and Exerts an Additive Antiangiogenic Response with Bevacizumab. *J Biol Chem.* 2017 Mar 3;292(9):3552-3567.
- Murphy AG, et al. Preclinical validation of the small molecule drug quininib as a novel therapeutic for colorectal cancer. *Sci Rep.* 2016 Oct 14;6:34523.
- Galvin O, et al. A sustained release formulation of novel quininib-hyaluronan microneedles inhibits angiogenesis and retinal vascular permeability in vivo. *J Control Release.* 2016 Jul 10;233:198-207.
- Reynolds AL, et al. Phenotype-based Discovery of 2-[(E)-2-(Quinolin-2-yl)vinyl]phenol as a Novel Regulator of Ocular Angiogenesis. *J Biol Chem.* 2016 Apr 1;291(14):7242-55.

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