

QLT0267

## Chemical Properties

CAS No. :	866409-68-9
Formula:	C10H12N6O
Molecular Weight:	232.24
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

## Biological Description

Description	QLT0267 is an inhibitor targeting integrin-linked kinase (ILK; IC50= 26 nM), showing over 10-fold selectivity against cyclin-dependent kinases 1, 2, and 5 (Cdk1, Cdk2, and Cdk5), and over 1,000-fold selectivity against C-terminal Src kinase (CSK), DNA-PK, Pim-1, Akt, PKC, and casein kinase 2 (CK2) at a concentration of 10 mg/ml. This compound effectively inhibits the proliferation of NPA187 papillary thyroid cancer cells with an IC50 of approximately 3 µM and induces apoptosis in NPA187, DRO, and K4 cancer cell lines. In vivo studies reveal that QLT0267, administered at 100 mg/kg, significantly reduces tumor growth in a DRO mouse xenograft model and diminishes both tumor volume and intratumoral vascularization in a U87MG glioblastoma mouse xenograft model, showcasing its potential for therapeutic applications in cancer treatment.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3059 mL	21.5295 mL	43.0589 mL
5 mM	0.8612 mL	4.3059 mL	8.6118 mL
10 mM	0.4306 mL	2.1529 mL	4.3059 mL
50 mM	0.0861 mL	0.4306 mL	0.8612 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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