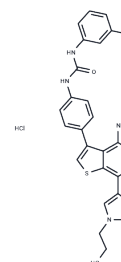


## Ilorasertib hydrochloride

## Chemical Properties

CAS No. :	1847485-91-9
Formula:	C <sub>25</sub> H <sub>22</sub> ClFN <sub>6</sub> O <sub>2</sub> S
Molecular Weight:	525
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Ilorasertib hydrochloride (ABT-348 hydrochloride) is an ATP-competitive multitargeted kinase inhibitor, which inhibits Aurora C, Aurora B, and Aurora A (IC <sub>50</sub> s: 1 nM, 7 nM, 120 nM). It also suppresses RET tyrosine kinase, PDGFR $\beta$ , and Flt1 (IC <sub>50</sub> s: 7 nM, 3 nM, and 32 nM).
Targets(IC <sub>50</sub> )	Aurora Kinase,PDGFR,VEGFR

## Solubility Information

Solubility	DMSO: 41.67 mg/mL (79.37 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.81 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

---

	1mg	5mg	10mg
1 mM	1.9048 mL	9.5238 mL	19.0476 mL
5 mM	0.381 mL	1.9048 mL	3.8095 mL
10 mM	0.1905 mL	0.9524 mL	1.9048 mL
50 mM	0.0381 mL	0.1905 mL	0.381 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

Glaser KB, et al. Preclinical characterization of ABT-348, a kinase inhibitor targeting the aurora, vascular endothelial growth factor receptor/platelet-derived growth factor receptor, and Src kinase families. *J Pharmacol Exp Ther.* 2012 Dec;343(3):617-27.

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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481