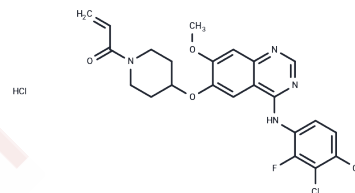


## Poziotinib hydrochloride

## Chemical Properties

CAS No. :	1429757-68-5
Formula:	C <sub>23</sub> H <sub>22</sub> Cl <sub>3</sub> FN <sub>4</sub> O <sub>3</sub>
Molecular Weight:	527.8
Storage:	Keep away from direct sunlight 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	Poziotinib hydrochloride irreversibly inhibits EGFR (HER1 or ErbB1), including EGFR mutants, HER2, and HER4, thereby inhibiting the proliferation of tumor cells that overexpress these receptors. It is an orally bioavailable, quinazoline-based pan epidermal growth factor receptor (EGFR or HER) inhibitor with potential antineoplastic activity.
Targets(IC50)	EGFR

## Solubility Information

Solubility	DMSO: 22.5 mg/mL (42.63 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	1.8947 mL	9.4733 mL	18.9466 mL
5 mM	0.3789 mL	1.8947 mL	3.7893 mL
10 mM	0.1895 mL	0.9473 mL	1.8947 mL
50 mM	0.0379 mL	0.1895 mL	0.3789 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

Nam HJ, et al. Cancer Lett. 2011, 302(2), 155-165.

Cha MY, et al. Int J Cancer. 2012, 130(10), 2445-2454.

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