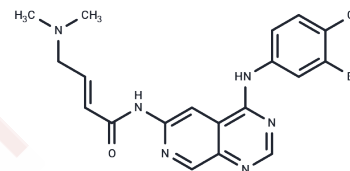


## Tarlox-TKI

## Chemical Properties

CAS No. :	2135696-72-7
Formula:	C <sub>19</sub> H <sub>18</sub> BrClN <sub>6</sub> O
Molecular Weight:	461.74
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	Tarlox-TKI (Kinase inhibitor-1) is a pan-ErbB inhibitor, the active ingredient of Tarloxotinib, with antitumor activity. Tarlox-TKI inhibits NRG1 and suppresses HER2 mutants.
Targets(IC50)	EGFR
In vitro	Tarlox-TKI is a kinase inhibitor that targets EGFR, becoming a therapeutic target for many cancer types[1].

## Solubility Information

Solubility	DMSO: 80 mg/mL (173.26 mM), Sonification 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: 3.3 mg/mL (7.15 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

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	1mg	5mg	10mg
1 mM	2.1657 mL	10.8286 mL	21.6572 mL
5 mM	0.4331 mL	2.1657 mL	4.3314 mL
10 mM	0.2166 mL	1.0829 mL	2.1657 mL
50 mM	0.0433 mL	0.2166 mL	0.4331 mL

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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

Jeffrey Bruce Smaill, et al. Kinase inhibitors, prodrug forms thereof and their use in therapy. US9101632B2.

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

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