

TY-011

## Chemical Properties

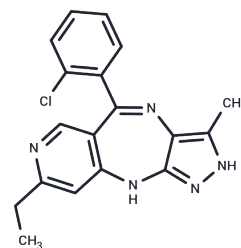
CAS No. : 1389439-77-3

Formula: C<sub>18</sub>H<sub>16</sub>ClN<sub>5</sub>

Molecular Weight: 337.81

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	TY-011 is an inhibitor of Aurora A/B kinases. This compound induces DNA damage and cell apoptosis (Apoptosis) in human gastric cancer cells by promoting abnormal microtubule-kinetochore attachments, effectively suppressing cancer cell proliferation. The IC <sub>50</sub> values for TY-011 in human gastric cancer cell lines range from 0.11-4.49 μM. It is utilized in research focused on gastric cancer.
Targets(IC <sub>50</sub> )	Aurora Kinase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9602 mL	14.8012 mL	29.6024 mL
5 mM	0.592 mL	2.9602 mL	5.9205 mL
10 mM	0.296 mL	1.4801 mL	2.9602 mL
50 mM	0.0592 mL	0.296 mL	0.592 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

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

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