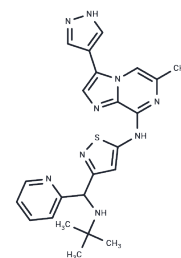


## Aurora inhibitor 1

## Chemical Properties

CAS No. :	2227019-45-4
Formula:	C <sub>23</sub> H <sub>25</sub> N <sub>9</sub> S
Molecular Weight:	459.57
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	Aurora inhibitor 1 is a potent inhibitor of Aurora A and Aurora B kinases with IC <sub>50</sub> values of ≤ 4 nM and ≤ 13 nM, respectively.
Targets(IC <sub>50</sub> )	Aurora Kinase
In vitro	Aurora inhibitor 1 (Compound 16) demonstrates K <sub>d</sub> values of 0.01 nM for both Aurora A and Aurora B kinases.
In vivo	In vivo efficacy in a mouse xenograft tumor model when dosed orally, Aurora inhibitor 1 exhibits good drug exposure levels across species upon oral dosing and shows excellent.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1759 mL	10.8797 mL	21.7595 mL
5 mM	0.4352 mL	2.1759 mL	4.3519 mL
10 mM	0.2176 mL	1.088 mL	2.1759 mL
50 mM	0.0435 mL	0.2176 mL	0.4352 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

Yu T, et al. Discovery of a highly potent orally bioavailable imidazo-[1, 2-a]pyrazine Aurora inhibitor. Bioorg Med Chem Lett. 2018 May 1;28(8):1397-1403.

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

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