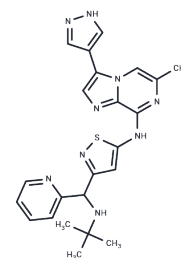


Aurora inhibitor 1

Chemical Properties

CAS No. :	2227019-45-4
Formula:	C ₂₃ H ₂₅ N ₉ S
Molecular Weight:	459.57
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Aurora inhibitor 1 is a potent Aurora inhibitor (IC ₅₀ : ≤ 4 nM and ≤13 nM for Aurora A and Aurora B kinase).
Targets(IC ₅₀)	Aurora Kinase
In vitro	Aurora inhibitor 1 (Compound 16) exhibits K _d values of 0.017nM for both Aurora A and Aurora B kinase.
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.

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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