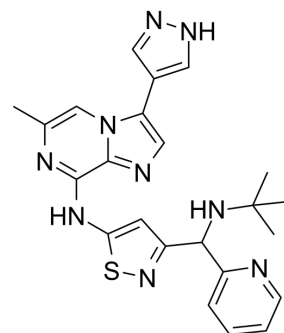


Aurora inhibitor 1

Cat. No.:	HY-111506
CAS No.:	2227019-45-4
Molecular Formula:	C ₂₃ H ₂₅ N ₉ S
Molecular Weight:	459.57
Target:	Aurora Kinase
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Aurora inhibitor 1 is a potent Aurora inhibitor with an IC ₅₀ of ≤ 4 nM and ≤13 nM for Aurora A and Aurora B kinase, respectively ^[1] .	
IC₅₀ & Target	Aurora A 4 nM (IC ₅₀)	Aurora B 13 nM (IC ₅₀)
In Vitro	Aurora inhibitor 1 (Compound 16) exhibits K _d values of 0.01 nM for both Aurora A and Aurora B kinase ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
In Vivo	Aurora inhibitor 1 (Compound 16) exhibits good drug exposure levels across species upon oral dosing, and shows excellent in vivo efficacy in a mouse xenograft tumor model when dosed orally ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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