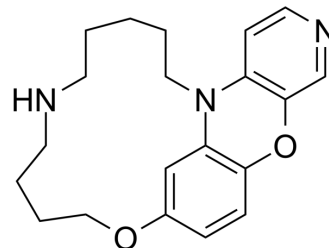


Pim-1 kinase inhibitor 3

Cat. No.:	HY-150731
CAS No.:	2801695-39-4
Molecular Formula:	C ₂₀ H ₂₅ N ₃ O ₂
Molecular Weight:	339.43
Target:	Pim
Pathway:	JAK/STAT Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Pim-1 kinase inhibitor 3 (Compound H5) is a potent Pim-1 kinase inhibitor with an IC ₅₀ of 35.13 nM ^[1] .	
IC₅₀ & Target	PIM1 35.13 nM (IC ₅₀)	
In Vitro	Pim-1 kinase inhibitor 3 (Compound H5) (0-100 μM, 48 h) inhibits MDA-MD-231 cell proliferation ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Proliferation Assay ^[1]	
	Cell Line:	MDA-MD-231
	Concentration:	0-100 μM
	Incubation Time:	48 h
	Result:	Inhibited cell proliferation with an IC ₅₀ of 8.154 μM.

REFERENCES

[1]. Xu J, et al. Design, synthesis, and bioactivity evaluation of macrocyclic benzo[b]pyrido[4,3-e][1,4]oxazine derivatives as novel Pim-1 kinase inhibitors. *Bioorg Med Chem Lett.* 2022 Sep 15;72:128874.

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

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