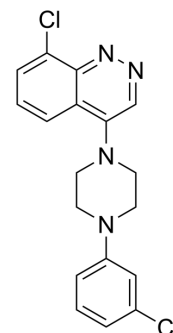


FiVe1

Cat. No.:	HY-124757
CAS No.:	932359-76-7
Molecular Formula:	C ₁₈ H ₁₆ Cl ₂ N ₄
Molecular Weight:	359.25
Target:	Proteasome
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	FiVe1 is a potent vimentin (VIM; the intermediate filament and mesenchymal marker) inhibitor ^[1] . FiVe1 promotes VIM disorganization and phosphorylation during metaphase, leading to mitotic catastrophe, multinucleation, and the loss of stemness. FiVe1 selectively and irreversibly inhibits the growth of multiple FOXC2-expressing breast cancer cell lines (HMLER cells (IC ₅₀ :?267 nM); FOXC2-HMLER cells (IC ₅₀ :?447 nM). FiVe1 inhibits the migration of mesenchymally transformed cells ^[1] .
IC ₅₀ & Target	IC50: VIM ^[1]

REFERENCES

[1]. Michael J Bollong, et al. A vimentin binding small molecule leads to mitotic disruption in mesenchymal cancers. Proc Natl Acad Sci U S A. 2017 Nov 14;114(46):E9903-E9912.

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

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