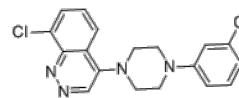


Product Name : FiVe1
Cat. No. : PC-63320
CAS No. : 932359-76-7
Molecular Formula : C₁₈H₁₆Cl₂N₄
Molecular Weight : 359.254
Target : Microtubule/Tubulin
Solubility : 10 mM in DMSO



Biological Activity

FiVe1 is a **vimentin** binding small molecule that promotes vimentin disorganization and phosphorylation during metaphase, causes mitotic catastrophe, multinucleation, and the loss of stemness in cancer cells.

FiVe1 selectively and irreversibly inhibits the growth of mesenchymally transformed breast cancer cells (FOXC2-HMLER cells IC₅₀=234 nM) and soft tissue sarcomas of diverse histological subtypes.

References

Bollong MJ, et al. *Proc Natl Acad Sci U S A*. 2017 Nov 14;114(46):E9903-E9912.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com