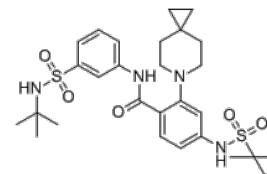


**Product Name** : KIF18A inhibitor 24  
**Cat. No.** : PC-72268  
**CAS No.** : 2600577-49-7  
**Molecular Formula** : C<sub>28</sub>H<sub>38</sub>N<sub>4</sub>O<sub>5</sub>S<sub>2</sub>  
**Molecular Weight** : 574.755  
**Target** : Kinesin  
**Solubility** : 10 mM in DMSO



## Biological Activity

KIF18A inhibitor 24 is a highly potent, in vivo active inhibitor of mitotic kinesin **KIF18A** with IC<sub>50</sub> of 61 nM. KIF18A inhibitor 24 binds at the interface of KIF18A and tubulin. KIF18A inhibitor 24 exhibits significant mitotic arrest in MDA-MB-157 mitotic cells with EC<sub>50</sub> of 11 nM, followed by cell death either in mitosis or in the subsequent interphase, which is sustained for 24 h.

## References

Nuria A Tamayo, et al. *J Med Chem.* 2022 Mar 24;65(6):4972-4990.

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

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