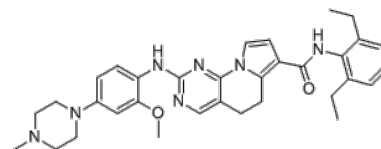


**Product Name** : NTRC 0066-0  
**Cat. No.** : PC-61464  
**CAS No.** : 1817791-73-3  
**Molecular Formula** : C<sub>33</sub>H<sub>39</sub>N<sub>7</sub>O<sub>2</sub>  
**Molecular Weight** : 565.722  
**Target** : Monopolar Spindle 1 (Mps1/TTK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

NTRC 0066-0 is a highly potent, selective inhibitor of checkpoint kinase **TTK/Mps1** with IC<sub>50</sub> of 0.6 nM.

NTRC 0066-0 displays >200-fold selectivity over 276 kinases, including Aurora C, PLK1, PLK4.

NTRC 0066-0 shows very potent anti-proliferative activity on a broad panel of human cancer cell lines (IC<sub>50</sub>=18- 897 nM).

NTRC 0066-0 increases the survival in a murine breast cancer model that mimics human TNBC and delays tumor relapse, combined with docetaxel.

## References

Maia AR, et al. *Ann Oncol*. 2015 Oct;26(10):2180-92.

Libouban MAA, et al. *Oncotarget*. 2017 Jun 13;8(24):38309-38325.

Zaman GJR, et al. *Mol Cancer Ther*. 2017 Jul 27. pii: molcanther.0342.2017.

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

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