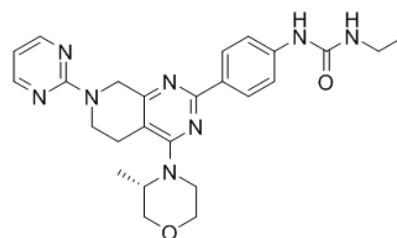


**Product Name** : mTOR-IN-1  
**Cat. No.** : PC-45461  
**CAS No.** : 1207358-59-5  
**Molecular Formula** : C<sub>25</sub>H<sub>30</sub>N<sub>8</sub>O<sub>2</sub>  
**Molecular Weight** : 474.5581  
**Target** : mTOR  
**Solubility** : 10 mM in DMSO



### Biological Activity

mTOR-IN-1 is a potent and selective mTOR inhibitor with K<sub>i</sub> of 1.5 nM.  
mTOR-IN-1 shows >500-fold selectivity over closely related PI3 kinases.  
mTOR-IN-1 exhibits suitable mouse PK and demonstrates active in an NCI-PC3 prostate cancer model; orally bioavailable.

### References

Koehler MF, et al. *J Med Chem*. 2012 Dec 27;55(24):10958-71.

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

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