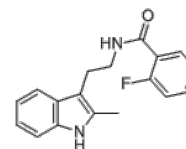


**Product Name** : CK 666  
**Cat. No.** : PC-62458  
**CAS No.** : 442633-00-3  
**Molecular Formula** : C<sub>18</sub>H<sub>17</sub>FN<sub>2</sub>O  
**Molecular Weight** : 296.345  
**Target** : Arp2/3 complex  
**Solubility** : 10 mM in DMSO



## Biological Activity

CK-666 (CK 0944666) is a small molecule Arp2/3 complex inhibitor with IC<sub>50</sub> of 4 μM, inhibits actin polymerization with either BtArp2/3 complex (IC<sub>50</sub>=17 μM) or SpArp2/3 complex (IC<sub>50</sub>=5 μM).

CK-666 reduces actin polymerization around intracellular Listeria to background levels at lower concentrations than CK-636. CK-666 alters the morphology and slightly slowed but did not stop the gliding motility of fish keratocytes

## References

Hetrick B, et al. Chem Biol. 2013 May 23;20(5):701-12.

Nolen BJ, et al. Nature. 2009 Aug 20;460(7258):1031-4.

Yi K, et al. Nat Cell Biol. 2011 Aug 28;13(10):1252-8.

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

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