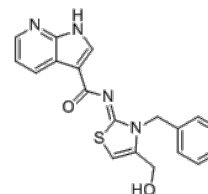


**Product Name** : TDI-011536  
**Cat. No.** : PC-49206  
**CAS No.** : 2687970-96-1  
**Molecular Formula** : C<sub>19</sub>H<sub>16</sub>N<sub>4</sub>O<sub>2</sub>S  
**Molecular Weight** : 364.423  
**Target** : YAP-TEAD  
**Solubility** : 10 mM in DMSO



## Biological Activity

TDI-011536 is a potent, ATP-competitive inhibitor of **Lats kinases** with IC<sub>50</sub> of 0.76 nM (2 mM ATP) in vitro assays, prevents Yap phosphorylation in the cell-based assays with EC<sub>50</sub> of 10 nM.

TDI-011536 (3 μM, 24h) reduced Yap phosphorylation by almost 80% on retinal organoids derived from human induced pluripotent stem cells.

TDI-011536 was significantly more potent than TRULI in stimulating Yap signaling and the proliferation of Müller glia in human retinal organoids.

TDI-011536 (200 mg/kg, i.p.) demonstrated a remarkable reduction in pYap relative to total Yap in the heart, liver, and skin in living animals, and this effect was reversible.

TDI-011536 upregulated Yap-target genes and induced proliferative effect on cardiomyocytes in vivo.

## References

Nathaniel R Kastan, et al. *Proc Natl Acad Sci U S A*. 2022 Jul 12;119(28):e2206113119.

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

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