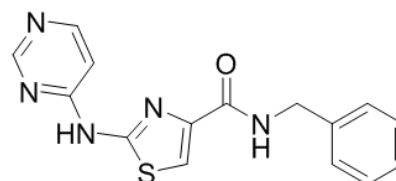


**Product Name** : Thiazovivin  
**Cat. No.** : PC-43437  
**CAS No.** : 1226056-71-8  
**Molecular Formula** : C<sub>15</sub>H<sub>13</sub>N<sub>5</sub>OS  
**Molecular Weight** : 311.36  
**Target** : ROCK  
**Solubility** : DMSO: ≥ 30 mg/mL



### Biological Activity

Thiazovivin is a small molecule inhibitor of **ROCK**, dramatically improves (200-fold) the efficiency of iPSC generation from human fibroblasts.

Thiazovivin dramatically improves the survival of hESCs upon trypsinization.

Addition of Thiazovivin to cocktail of SB431542 and PD0325901 also vastly improves the survival of iPSCs after splitting by trypsinization.

Thiazovivin induces porcine embryonic fibroblasts into adipocytes.

### References

Lin T, et al. *Nat Methods*. 2009 Nov;6(11):805-8.

Zhu J, et al. *Cell Reprogram*. 2012 Apr;14(2):99-105.

Wang F, et al. *Gastroenterology*. 2013 Aug;145(2):383-95.e1-21.

Mohseni R, et al. *Cell Biol Int*. 2015 May;39(5):515-8.

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

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