



# Data Sheet

Research Use Only

## Compound Name

Thiazovivin

## Catalog Number

SM35

## Alternative Names

N-Benzyl-[2-(pyrimidin-4-yl)amino]thiazole-4-carboxamide

## Activity

Thiazovivin is a selective, cell permeable small molecule that directly inhibits Rho-associated kinase.

## Effect

It protects human embryonic stem cells (hESC) in the absence of ECM by regulating E-cadherin mediated cell-cell interaction. It also promotes single cell passage of human pluripotent cells.

## Purity

>98%

## CAS

1226056-71-8

## Formula

$C_{15}H_{13}N_5OS$

## Molecular Weight

311.36

## Solubility

DMSO

## Stability

Stable at -20°C. Keep away from direct sunlight.

## References

1. Xu, Y., et al. 2010. Proc Natl Acad Sci U S A. 107(18): 8129-8134. PMID: 20406903
2. Hu, K., et al. 2011. Blood. 117(14): e109-119. PMID: 21296996
3. Lin, T., et al. 2009. Nat Methods. 6(11): 805-808. PMID: 19838168