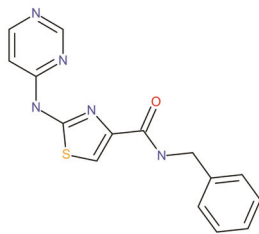


Product Sheet

Thiazovivin

Catalog #	Thia-001; Thia-005; Thia-025
Description	<p>Thiazovivin, N-benzyl-2-(pyrimidin-4-ylamino)thiazole-4-carboxamide, is a selective inhibitor of Rho-associated kinase (ROCK). It protects human ES cells from death in the absence of ECM by regulating E-cadherin mediated cell-cell interaction. Thiazovivin, in combination with inhibitors of the TGF-beta receptor and the MEK kinases, improves reprogramming efficiency dramatically.</p> <p><i>Ref: Lin, T., et al. (2009) A chemical platform for improved induction of human iPSCs. Nature Methods. 6(11): 805.</i></p>
Formulation	Powder
Reconstitution	Before reconstitution, we recommend a brief spin to drive down any material dislodged from the bottom of the tube. The compound is soluble in DMSO.
Stability	The powder is stable for at least 1 year if stored at -20 degree C. The dissolved compound is stable for at least 1 month at 4 degree C, but should be stored in aliquots at -20 degree C for longer term. Protect from light.
Purity	Greater than 99% as determined by LC/MS analysis. LC/MS and/or NMR data available upon request.
Biological Activity	Tested active for culturing human iPS cells in serum-free medium on Matrigel coated plates.

Structural Info



M.W.: 311.36
Formula: C₁₅H₁₃N₅OS
Solubility: DMSO up to 100 mM
CAS No.: 1226056-71-8

For Research Use Only. Not for Use in Humans.