
Thiazovivin

产品编号: D50709

CAS: 1226056-71-8

分子式: C₁₅H₁₃N₅O₂S

纯度: ≥98%

InChi: InChi=1S/C₁₅H₁₃N₅O₂S/c21-14(17-8-11-4-2-1-3-5-11)12-9-22-15(19-12)20-13-6-7-16-10-18-13
/h1-7,9-10H,8H2,(H,17,21)(H,16,18,19,20)

InChi Key: DOBKQCZBPPCLEG-UHFFFAOYSA-N

Smiles: O=C(NCC1C=CC=CC=1)C1=CSC(NC2C=CN=CN=2)=N1

外观: 固体粉末

作用通路: ROCK

溶解性: DMSO up to 100 mM

保存条件: Store in dry, dark place for one year.

产品介绍: Thiazovivin is a highly potent, selective, and cell-permeable small molecule Rock inhibitor with effective cellular activity ~ 2 μM. It can enhance survival of human embryonic stem cells (hESCs) or iPSCs after single cell dissociation by trypsin, and dramatically improve the reprogramming efficiency of iPSC (>200 folds) from human fibroblasts when used in combination with SB431542 and PD0325091. It has been shown to exhibit better activity than Y27632 in many stem cell assays.