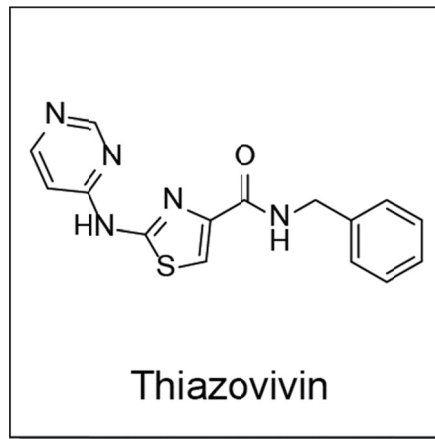




Product Specification Sheet

| | |
|-------------------------------|--|
| Product Name: | Thiazovivin |
| Catalog Number: | C8442-1 (powder) C8442-1s (10 mM in DMSO) |
| Package Size: | 1 mg |
| Technical information: | |
| Chemical Formula: | C ₁₅ H ₁₃ N ₅ OS |
| CAS #: | 1226056-71-8 |
| Molecular Weight: | 311.36 |
| Purity: | >98% |
| Formulation: | Light brown powder |
| Solubility: | Soluble in DMSO up to 100 mM |
| Chemical Name: | N-Benzyl-2-(pyrimidin-4-ylamino)thiazole-4-carboxamide |
| Storage: | Store solid powder at 4°C desiccated; Store DMSO solution at -20°C. |
| Handling: | <ul style="list-style-type: none">For C8442-1 (powder), add 321 μL of DMSO to make 10 mM solution.For C8442-1s, before open the vial, centrifuge the vial at 500rpm x 1 min in a 50 mL conical tube to ensure full recovery of sample. |
| Biological Activity: | Thiazovivin dramatically improves the survival of hESCs upon trypsinization. Thiazovivin in combination with inhibitors of the TGF- β receptor and the MEK pathway improve reprogramming efficiency more than 200-fold. |
| Reference: | 1. Lin, T., Ambasudhan, R., Yuan, X., Li, W., Hilcove, S., Abujarour, R., Lin, X., Hahm, H., Hao, E., Hayek, A., Ding, S. (2009) A chemical platform for improved induction of human iPSCs. <i>Nature Methods</i> 6, 805 - 808 (2009) |



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