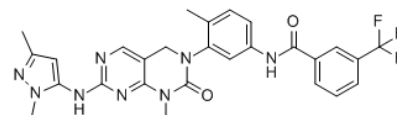


Product Name : Pluripotin
Cat. No. : PC-42663
CAS No. : 839707-37-8
Molecular Formula : C₂₇H₂₅F₃N₈O₂
Molecular Weight : 550.535
Target : ERK
Solubility : DMSO: ≥ 33 mg/mL



Biological Activity

Pluripotin(SC1) is a small molecule that can maintain the self-renewal of mESC (murine embryonic stem cells) in the absence of feeder cells and exogenous factors.

Pluripotin works through dual inhibition of RasGAP and **ERK1**.

Pluripotin maintains the undifferentiated phenotype of mES cells with EC₅₀ of 1 uM, and shows low cellular toxicity (>30 uM).

References

Chen S, et al. *Proc Natl Acad Sci U S A*. 2006 Nov 14;103(46):17266-71.

Yang W, et al. *Stem Cells*. 2009 Feb;27(2):383-9.

Pieters T, et al. *Stem Cell Rev*. 2012 Sep;8(3):768-78.

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

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