

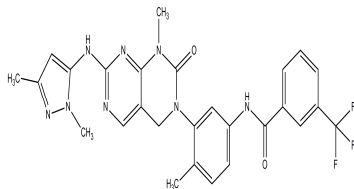
## Pluripotin

**ALTERNATE NAME:** N-(3-(7-(1,3-dimethyl-1H-pyrazol-5-ylamino)-1-methyl-2-oxo-1,2-dihydropyrimido[4,5-d]pyrimidin-3(4H)-yl)-4-methylphenyl)-3-(trifluoromethyl)benzamide; SC1

**CATALOG #:** 2165-1, 5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>27</sub>H<sub>25</sub>F<sub>3</sub>N<sub>8</sub>O<sub>2</sub>

**MOLECULAR WEIGHT:** 550.54

**CAS NUMBER:** 839707-37-8

**APPEARANCE:** White solid

**SOLUBILITY:** DMSO (100 mM)

**PURITY:** ≥97% by HPLC

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** Pluripotin (SC1) regulates mouse embryonic stem cell (ESC) self-renewal. It was shown that SC1 is sufficient for sustaining long-term self-renewal of mouse ES cells in an undifferentiated state in the absence of LIF, feeder cells, or serum. SC1 acts through dual inhibition of Ras-GAP and ERK1 with K<sub>d</sub> values of 98 and 212 nM, respectively.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

### RELATED PRODUCTS:

EZSolution™ A 83-01, Sterile-Filtered (**Cat. No. 1989-1**)  
 EZSolution™ CHIR99021, Sterile-Filtered (**Cat. No. 1991-1**)  
 DiscoveryPak™ Stem Cell Fate Regulator Set I (**Cat. No. K852-3**)  
 DiscoveryPak™ Stem Cell Fate Regulator Set II (**Cat. No. K853-8**)  
 DiscoveryPak™ Stem Cell Fate Regulator Set III (**Cat. No. K854-3**)  
 DiscoveryPak™ Stem Cell Fate Regulator Set IV (**Cat. No. K855-3**)  
 DiscoveryPak™ Stem Cell Fate Regulator Set V (**Cat. No. K865-5**)  
 DiscoveryPak™ Stem Cell Fate Regulator Set VI (**Cat. No. K866-5**)  
 DiscoveryPak™ Stem Cell Fate Regulator Set VII (**Cat. No. K866-10**)  
 (±) -Bay K 8644 (**Cat. No. 1682-5**)  
 BIX01294 (**Cat. No. 1678-5, 25**)  
 CHIR99021 (**Cat. No. 1677-5, 25**)  
 EZSolution™ CHIR99021 (**Cat. No. 1748-5**)  
 PD0325901 (**Cat. No. 1643-2**)  
 EZSolution™ PD-0325901, Sterile-Filtered (**Cat. No. 1990-1**)  
 PS-48 (**Cat. No. 1869-5**)  
 Pyrintegrin (**Cat. No. 1729-1,5**)  
 EZSolution™ Pyrintegrin (**Cat. No. 1737-1**)  
 RepSox (**Cat. No. 1894-5, 25**)  
 Reversine (**Cat. No. 1851-1, 5**)  
 RG 108 (**Cat. No. 1679-10,30**)  
 SB-431542 (**Cat. No. 1674-1**)  
 EZSolution™ SB-431542 (**Cat. No. 1872-1**)  
 EZSolution™ SB-431542, Sterile-Filtered (**Cat. No. 1992-1**)  
 Sodium Butyrate (**Cat. No. 1609-100, 1000**)  
 StemBoost™ Reprogramming Cocktail Set I (**Cat. No. K869-1ML, 5ML, 1set**)  
 StemBoost™ Reprogramming Cocktail Set II (**Cat. No. K870-1ML, 5ML, 1set**)  
 StemBoost™ YPAC Cocktail Set (**Cat. No. K871-1ML, 5ML, 1set**)  
 Thiazovivin (**Cat. No. 1681-1,5**)  
 EZSolution™ Thiazovivin (**Cat. No. 1736-1**)  
 EZSolution™ Thiazovivin, Sterile-Filtered (**Cat. No. 1993-1**)  
 Tranylcyproamine Hemisulfate (Parnate) (**Cat. No. 1816-25,100**)  
 Valproic Acid, Sodium Salt (**Cat. No. 1647-200**)  
 Y-27632,2 HCl (**Cat. No. 1596-1, 5, 50**)  
 EZSolution™ Y-27632, HCl (**Cat. No. 1784-5**)  
 EZSolution™ Y-27632, HCl, Sterile-Filtered (**Cat. No. 1994-1**)

**FOR RESEARCH USE ONLY! Not to be used in humans.**