



LKT Laboratories, Inc.

## Pluripotin

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### Product Information

**Product ID** P465822

**CAS No.** 839707-37-8

**Chemical 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

**Synonym** SC1; SC-1; Stemolecule SC 1

**Formula** C<sub>27</sub>H<sub>25</sub>F<sub>3</sub>N<sub>8</sub>O<sub>2</sub>

**Formula Wt.** 550.55

**Melting Point**

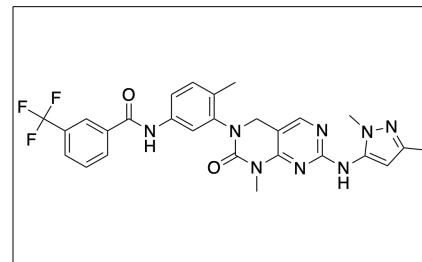
**Purity** ≥98%

**Solubility**

**Store Temp** -20°C

**Ship Temp** Ambient

**Description** Pluripotin is a dual kinase and GTPase inhibitor. Pluripotin promotes self-renewal in murine embryonic stem cells without the necessity of Leukemia Inhibitory Factor (LIF). Its self-renewal preservation properties have been used to aid in the study of both pluripotency and cancer stem cells (CSCs). It has also been found to promote self-renewal in chicken blastodermal cells by inhibiting ERK1 phosphorylation and promoting Akt phosphorylation. TEST!!!!!!



### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
P465822	1 mg	\$50.00
P465822	5 mg	\$145.00
P465822	25 mg	\$495.00
P465822	100 mg	\$1200.00

**References** Chen S., Do J., et al. Self-renewal of embryonic stem cells by a small molecule. Proc Natl Acad Sci USA. 103(46);17266-71 (2006). PMID: 17088537.

Mertins S., Scudiero D., et al. A small molecule (pluripotin) as a tool for studying cancer stem cell biology: proof of concept. PLoS One. 8(2):e57099 (2013). PMID: 23437320.

Li R., Tang X., et al. Reprod Domest Anim. 53(5):1052-59 (2018). PMID: 30028046.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.