



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 C₂₇H₂₅F₃N₈O₂

Formula Wt. 550.55

Melting Point

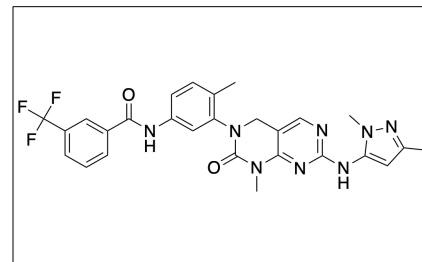
Purity ≥98%

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.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P465822	1 mg	\$61.80
P465822	5 mg	\$179.30
P465822	25 mg	\$611.90
P465822	100 mg	\$1483.30

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.