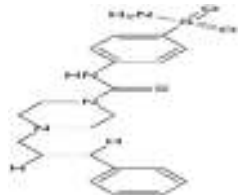


# LF3

**ALTERNATE NAME:** 1-Piperazinecarbothioamide, N-[4-(aminosulfonyl)phenyl]-4-(3-phenyl-2-propen-1-yl)-

**CATALOG #:** B2644-5 5 mg  
B2644-25 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>20</sub>H<sub>24</sub>N<sub>4</sub>O<sub>2</sub>S<sub>2</sub>

**MOLECULAR WEIGHT:** 416.56

**CAS NUMBER:** 664969-54-4

**APPEARANCE:** White to off-white solid

**PURITY:** ≥98% by HPLC

**SOLUBILITY:** >50 mg/ml DMSO

**DESCRIPTION:** LF3 is a potent inhibitor of canonical Wnt signaling pathway (IC<sub>50</sub> < 2 μM). It can disrupt the interaction between catenin and TCF4. LF3 blocks the expression of a series of Wnt target genes in Wnt-addicted colon cancer cells. It inhibits proliferation of Wnt-addicted colon cancer cells through induction of cell-cycle arrest and also inhibits self-renewal capacity of cancer stem cells (CSCs).

**STORAGE TEMPERATURE:** -20°C. Protect from light

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

**RELATED PRODUCTS:**

JW55 (2612)  
QS11 (1680)  
IWP-2 (1962)  
EZSolution™ Wnt Antagonist, C59 (9493)  
Wnt Antagonist, C59 (2063)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*