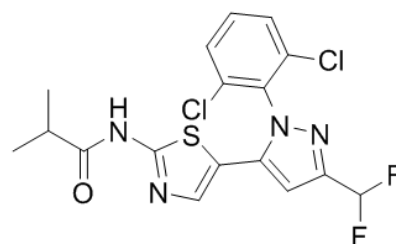


Product Name : BMS-5
Cat. No. : PC-45451
CAS No. : 1338247-35-0
Molecular Formula : C₁₇H₁₄Cl₂F₂N₄OS
Molecular Weight : 431.2871
Target : LIM Kinase (LIMK)
Solubility : DMSO: ≥ 34 mg/mL



Biological Activity

BMS-5 (LIMKi3) is a cell-permeable, potent, selective inhibitor of **LIMK** with IC₅₀ of 7/8 nM for LIMK1/2, respectively. BMS-5 (LIMKi3) effectively destabilizes F-actin structure in MDA-MB-231 breast cancer cells (3-10 μM) with concomitant blockage of invasion (by 93% at 10 μM). BMS-5 (LIMKi3) significantly affects porcine oocyte maturation, causes aberrant actin distribution and spindle positioning.

References

Ross-Macdonald P, et al. *Mol Cancer Ther.* 2008 Nov;7(11):3490-8.
Sparrow N, et al. *J Neurosci.* 2012 Apr 11;32(15):5284-97.
Jia RX, et al. *PeerJ.* 2016 Oct 12;4:e2553. eCollection 2016.

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

E-mail: tech@probechem.com