
Product Data Sheet

Product Name: KG 5
Cat. No.: GC50133

Chemical Properties

Cas. No. 877874-85-6

SMILES NC1=NC(SC)=NC(OC(C=C4)=CC=C4C3=NN=C(N3)NC2=CC(C(F)(F)F)=CC=C2)=C1

Formula C₂₀H₁₆F₃N₇OS M.Wt 459.45

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

PDGFR β and B-Raf allosteric inhibitor. Also inhibits c-Raf, FLT3 and KIT. Disrupts blood vessel formation in zebrafish embryos and inhibits angiogenesis in a mouse angiogenesis model. Inhibits growth of renal and pancreatic tumors in mice. Also arrests cells in prometaphase. Orally available.

Murphy et al (2010) Disruption of angiogenesis and tumor growth with an orally active drug that stabilizes the inactive state of PDGFR β /B-RAF. Proc.Natl.Acad.Sci.U.S.A. 107 4299 PMID:20154271 |Mielgo et al (2011) A MEK-independent role for CRAF in mitosis and tumor progression. Nat.Med. 17 PMID:22081024

Caution: Product has not been fully validated for medical applications. For research use only.

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