
Product Data Sheet

Product Name: CHK1-IN-2

Cat. No.: GC33289

Chemical Properties

Cas. No. 912367-45-4

SMILES O=C(N)C1=C(SC(C2=CC=CC=C2)=C3)C3=C(N[C@@H]4[C@@H](C)NCCC4)N=C1Formula C₂₀H₂₂N₄OS M.Wt 366.48

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**

CHK1-IN-2 is a checkpoint kinase 1 (CHK1) inhibitor, with an IC₅₀ of 6 nM.

CHK1-IN-2 is a checkpoint kinase 1 (CHK1) inhibitor, with an IC₅₀ of 6 nM, which is a potential cancer therapeutic that can be utilized for enhancing the efficacy of DNA damaging agents[1].

[1]. Yang B, et al. Adventures in Scaffold Morphing: Discovery of Fused Ring Heterocyclic Checkpoint Kinase 1 (CHK1) Inhibitors. J Med Chem. 2018 Feb 8;61(3):1061-1073.

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

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