

---

**Product Data Sheet**

---

Product Name: Chk1-IN-5

Cat. No.: GC60698

**Chemical Properties**

Cas. No. 2120398-39-0

SMILES N#CC1=NC=C(NC2=NNC(C3=C(OC)C=C(F)C=C3OCCCN)=C2)N=C1Formula  $C_{18}H_{18}FN_7O_2$  M.Wt 383.38

Solubility 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-5 is a potent checkpoint kinase 1 (Chk1) inhibitor. Chk1-IN-5 inhibits Chk1 phosphorylation and inhibits tumor growth in colon cancer xenograft model[1].

Chk1-IN-5 (compound 3; 0.4, 1.2, 3.7, 11.1, 33.3, 100 nM) inhibits Chk1 phosphorylation in the HT-29 colon cells[1].

Chk1-IN-5 (compound 3; 40 mg/kg; IV; twice a week for 21 days) inhibits tumor growth in Baib/c nude mice with HT-29 colon cancer cells[1]. Chk1-IN-5 (10 mg/kg; via tail vein intravenous injection) displays a longer half-life ( $T_{1/2}=3.8$  hours) and higher exposure ( $CL=2.3$  L/hr•kg;  $V_{ss}=6.4$  L/kg;  $AUC=4531$  ng/ml•h)[1]. Animal Model: Baib/c nude mice with HT-29 colon cancer cells[1]

[1]. Xiong Cai, et al. 3,5-disubstituted pyrazoles useful as checkpoint kinase 1 (chk1) inhibitors, and their preparations and applications. WO2017132928A1.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA