
Product Data Sheet

Product Name: SEL120-34A HCl

Cat. No.: GC32898

Chemical Properties

Cas. No. 1609452-30-3

SMILES CC1=C(Br)C(Br)=C2C3=C1N=C(N4CCNCC4)N3CCC2.[x HCl]Formula $C_{15}H_{18}Br_2N_4 \cdot xHCl$ M.Wt

Solubility DMSO : 62.5 mg/mL 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**

SEL120-34A is a dual inhibitor of cyclin-dependent kinase 8 (Cdk8) and Cdk19 ($IC_{50}s = 4.4$ and 10.4 nM, respectively).¹ It is selective for Cdk8 and Cdk19 over a panel of CDK/cyclin complexes at $1 \mu M$. SEL120-34A ($0.1-5 \mu M$) inhibits IFN- γ -induced phosphorylation of STAT1 in HCT116 colon cancer cells and the proliferation of various acute myeloid leukemia (AML) cells, including MOLM-16, MV4-11, and KG-1 cells ($GI_{50}s = <1 \mu M$). It reduces tumor growth in a KG-1 mouse xenograft model when administered at a dose of 60 mg/kg.

1. Rzymiski, T., Mikula, M., Wykiewicz, E., et al. SEL120-34A is a novel CDK8 inhibitor active in AML cells with high levels of serine phosphorylation of STAT1 and STAT5 transactivation domains. *Oncotarget* 8(20):33779-33795(2017)

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

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