

# SEL120-34A

Catalog No: **tcsc0040310**



## Available Sizes

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**Size:** 1mg

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg



## Specifications

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**CAS No:**

1609522-33-9

**Formula:**

$C_{15}H_{18}Br_2N_4$

**Pathway:**

Cell Cycle/DNA Damage

**Target:**

CDK

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

414.14

## Product Description

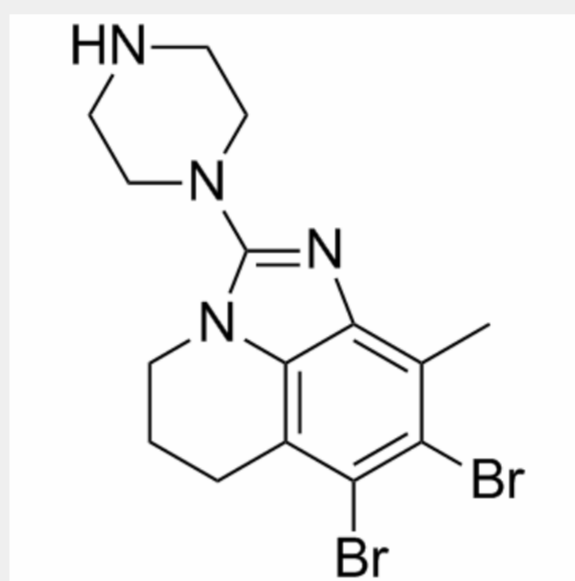
SEL120-34A is a potent, selective, orally available, ATP-competitive **CDK8** inhibitor, with **IC<sub>50</sub>**s of 4.4 nM and 10.4 nM for CDK8/CycC

and CDK19/CycC, respectively, with antitumor activity.

IC50 & Target: IC50: 4.4 nM (CDK8/CycC), 10.4 nM (CDK19/CycC)<sup>[1]</sup>

**In Vitro:** SEL120-34A is a selective, ATP-competitive CDK8 inhibitor, with IC<sub>50</sub> of 4.4 nM and 10.4 nM for CDK8/CycC and CDK19/CycC, respectively. SEL120-34A shows no obvious inhibition on CDK1, 2, 4, 6, 5, 7, and only weakly suppresses CDK9 (IC<sub>50</sub>, 1070 nM). SEL120-34A is active against a panel of AML cell lines (GI<sub>50</sub>)<sup>[1]</sup>.

**In Vivo:** SEL120-34A (30, 60 mg/kg, p.o.) inhibits the growth of tumor in mice bearing MV4-11 cancer cells, and also arrests the growth of KG-1-derived tumors at 30 mg/kg via oral administration<sup>[1]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!