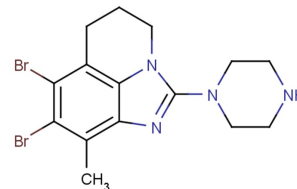


SEL120-34A

## Chemical Properties

CAS No.:	1609522-33-9
Formula:	C <sub>15</sub> H <sub>18</sub> Br <sub>2</sub> N <sub>4</sub>
Molecular Weight:	414.14
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	SEL120-34A is a selective, orally available, and ATP-competitive CDK8 inhibitor (IC <sub>50</sub> s: 4.4 nM and 10.4 nM for CDK8/CycC and CDK19/CycC) with antitumor activity.
Targets(IC <sub>50</sub> )	CDK8/CycC: 4.4 nM CDK19/CycC: 10.4 nM CDK9/cycT: 1070 nM
In vitro	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> < 1 μM), such as KG-1, SKNO-1, HEL-60, MOLM-16, OciAML-2, MV-4-11, MOLM-6 and OciAML-3 cells, consistent with the effective inhibition range of STAT1 S727 and STAT5 S726.
In vivo	SEL120-34A (30, 60 mg/kg, p.o.) inhibits the growth of tumors in mice bearing MV4-11 cancer cells and also arrests the growth of KG-1-derived tumors.

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.415 mL	12.073 mL	24.146 mL
5 mM	0.483 mL	2.415 mL	4.829 mL
10 mM	0.241 mL	1.207 mL	2.415 mL
50 mM	0.048 mL	0.241 mL	0.483 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

### Reference

1. Rzymiski T, 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*. 2017 May 16;8(20):33779-33795.

Inhibitors · Natural Compounds · Compound Libraries

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