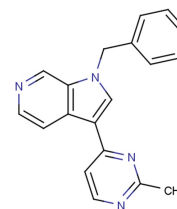


AZ-Dyrk1B-33

Chemical Properties

CAS No.:	1679330-37-0
Formula:	C ₁₉ H ₁₆ N ₄
Molecular Weight:	300.36
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	AZ-Dyrk1B-33 is a potent and selective Dyrk1B kinase inhibitor. With an IC ₅₀ of 7 nM[1].
Targets(IC ₅₀)	Dyrk1B: 7 nM
In vitro	AZ-Dyrk1B-33 shows inhibition of phosphorylation of Dyrk pS421 in cells with an IC ₅₀ of 0.192 μM[1]. However, it shows no effect in sensitization[1].

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	3.329 mL	16.647 mL	33.293 mL
5 mM	0.666 mL	3.329 mL	6.659 mL
10 mM	0.333 mL	1.665 mL	3.329 mL
50 mM	0.067 mL	0.333 mL	0.666 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. Kettle JG, et al. Discovery and optimization of a novel series of Dyrk1B kinase inhibitors to explore a MEK resistance hypothesis. J Med Chem. 2015 Mar 26;58(6):2834-44.

Inhibitors · Natural Compounds · Compound Libraries

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