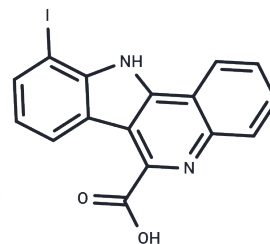


## Dyrk1A-IN-5

## Chemical Properties

CAS No. :	1685235-41-9
Formula:	C <sub>16</sub> H <sub>9</sub> IN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	388.16
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Dyrk1A-IN-5 (compound 5j) is a highly potent and selective DYRK1A inhibitor with an IC <sub>50</sub> of 6 nM, reducing the phosphorylation of Thr434 in SF3B1 dose-dependently (IC <sub>50</sub> = 0.5 μM) and inhibiting tau phosphorylation at Thr212 (IC <sub>50</sub> = 2.1 μM), making it valuable for Down syndrome research [1].
Targets(IC <sub>50</sub> )	Others,DYRK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5763 mL	12.8813 mL	25.7626 mL
5 mM	0.5153 mL	2.5763 mL	5.1525 mL
10 mM	0.2576 mL	1.2881 mL	2.5763 mL
50 mM	0.0515 mL	0.2576 mL	0.5153 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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