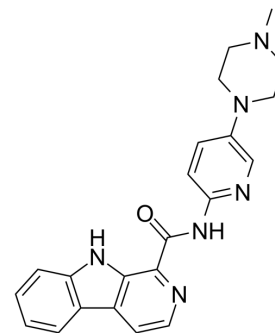


## ZDLD20

Cat. No.:	HY-115909
CAS No.:	2762279-02-5
Molecular Formula:	C <sub>22</sub> H <sub>22</sub> N <sub>6</sub> O
Molecular Weight:	386.45
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	ZDLD20, a β-carboline, is orally active and selective CDK4/CycD3 inhibitor with an IC <sub>50</sub> value of 6.51 μM. ZDLD20 exhibits potent anti-HCT116 activity including inhibition of colony formation, inhibition of invasion and migration, inducing of apoptosis, and arresting of G1 phase in cell cycle. ZDLD20 exhibits potent anticancer activity <sup>[1]</sup> .
IC <sub>50</sub> & Target	CDK4/CycD3 6.51 μM (IC <sub>50</sub> )

### REFERENCES

[1]. Deping Li, et al. Facile synthesis of C1-substituted β-carbolines as CDK4 inhibitors for the treatment of cancer. *Bioorg Chem.* 2022 Apr;121:105659.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA