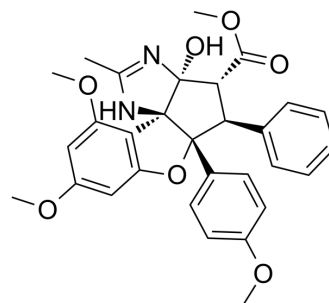


CMLD012073

Cat. No.:	HY-129769
CAS No.:	2368900-32-5
Molecular Formula:	C ₃₀ H ₃₀ N ₂ O ₇
Molecular Weight:	530.57
Target:	Eukaryotic Initiation Factor (eIF)
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CMLD012073 is an amidino-rocaglates and is a potent eukaryotic initiation factor 4A (eIF4A) inhibitor. CMLD012073 inhibits the growth of NIH/3T3 cells with an IC ₅₀ of 10 nM. CMLD012073 inhibits eukaryotic translation initiation by modifying the behavior of the RNA helicase (eIF4A) ^[1] .
IC ₅₀ & Target	eIF4A ^[1]
In Vitro	In in vitro translation assays, CMLD012073 is potent at inhibiting cap-dependent translation (FF). In ribosome recruitment experiments, CMLD012073 inhibits assembly of the 80S ribosome on the mRNA ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Chu J, et al. Amidino-Rocaglates: A Potent Class of eIF4A Inhibitors. Cell Chem Biol. 2019 Nov 21;26(11):1586-1593.

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

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