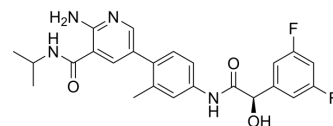


## HC-5404

Cat. No.:	HY-157231		
CAS No.:	2247396-91-2		
Molecular Formula:	C <sub>24</sub> H <sub>24</sub> F <sub>2</sub> N <sub>4</sub> O <sub>3</sub>		
Molecular Weight:	454.47		
Target:	PERK		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



## BIOLOGICAL ACTIVITY

### Description

HC-5404 is a potent and selective PERK inhibitor. HC-5404 has orally activity. HC-5404 significantly blocks metastasis via killing quiescent/slow-cycling ISRhigh<sup>[1][2]</sup>.

## REFERENCES

- [1]. Michael E Stokes, et al. PERK Inhibition by HC-5404 Sensitizes Renal Cell Carcinoma Tumor Models to Antiangiogenic Tyrosine Kinase Inhibitors. Clin Cancer Res. 2023, 29, 3.
- [2]. Veronica Calvo, et al. A PERK-Specific Inhibitor Blocks Metastatic Progression by Limiting Integrated Stress Response-Dependent Survival of Quiescent Cancer Cells. Clin Cancer Res. 2023.

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

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