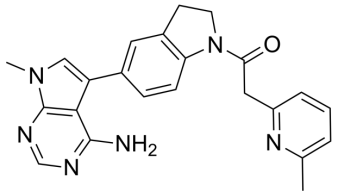
PERK-IN-6

Cat. No.:	HY-153160
CAS No.:	1337532-14-5
Molecular Formula:	$C_{23}H_{22}N_6O$
Molecular Weight:	398.46
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	PERK-IN-6 (Compound 5) is a PERK inhibitor with an IC_{50} of 2.5 nM[1].
IC_{50} & Target	IC50: 2.5 nM (PERK)[1]
In Vitro	PERK-IN-6 (Compound 5) inhibits thapsigargin induced PERK autophosphorylation with an IC_{50} of 0.1-0.3 μM in A549 cells[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	The rat blood clearance of PERK-IN-6 (Compound 5) is 10.5 mL/min/kg after i.v infusion in SD rats[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Axten JM, et al. Discovery of GSK2656157: An Optimized PERK Inhibitor Selected for Preclinical Development. ACS Med Chem Lett. 2013 Aug 12;4(10):964-8.

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