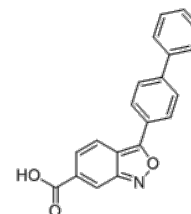


Product Name : UNC7467
Cat. No. : PC-38497
CAS No. : 2922283-43-8
Molecular Formula : C₂₀H₁₃NO₃
Molecular Weight : 315.328
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

UNC7467 is a potent, selective inositol hexakisphosphate kinase (**IP6K**) inhibitor with IC₅₀ values of 8.9 nM (IP6K1), 4.9 nM (IP6K2) and 1320 nM (IP6K3).

UNC7467 reduced levels of inositol pyrophosphates by 66-81% in HCT116 colon cancer cell line, without significantly perturbing levels of other inositol phosphates.

UNC7467 improved glycemic profiles, ameliorated hepatic steatosis, and reduced weight gain without altering food intake in diet-induced obese (DIO) mice.

UNC7467 is an in vivo chemical probe for IP6K-related research.

References

Yubai Zhou, et al. *J Med Chem*. 2022. DOI: 10.1021/acs.jmedchem.2c00220

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com